

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
1.	<p><u>'025 Patent, Claim 1</u></p> <p>A moving-picture coding apparatus comprising:</p> <p>a predictive encoder to produce and encode a residual picture that is a residual signal between a picture to be coded that is an input moving-picture video signal to be subjected to coding and a predictive picture produced from a reference picture that is a local decoded video signal for each of a plurality of rectangular zones, each composed of a specific number of pixels, into which a video area of the moving-picture video signal is divided;</p> <p>a zone-border motion estimator to obtain a boundary condition of each of a plurality of borders between the rectangular zones and another plurality of rectangular zones adjacent to the</p>	<p>“border motion-vector data” / “border motion vector data”</p> <p>'025 Patent, Claims 1, 3, 4, 6-7, 9-10</p>	<p>[AGREED]</p>	<p>[AGREED]</p>	<p>“data representing the difference in spatial position between a border of the block to be predicted in the picture to be coded and the best-matched border in the reference picture”</p>

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	<p>rectangular zones, find a border, of the reference picture, having a boundary condition that matches the boundary condition, by motion-vector search in the reference picture, and generate border motion-vector data that is data on a motion vector from a border of the rectangular zone in the picture to be coded to the border of the reference picture thus found; and</p> <p>a zone-border motion compensator to define a boundary condition of a border that corresponds to the border motion vector data, from the reference picture based on the border motion-vector data, and generate an estimated video signal in each rectangular zone in the picture to be coded, that satisfies Poisson's Equation, thus producing a first predictive picture,</p> <p>wherein the predictive encoder produces the residual picture with the first predictive picture</p>				

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	<p>as the predictive picture and encodes the residual picture;</p> <p>said predictive encoder including a first subtractor to produce a first residual picture from a difference between the picture to be coded and the first predictive picture;</p> <p>an orthogonal transformer to perform orthogonal transform to the first residual picture, thus generating orthogonal-transform coefficients data;</p> <p>a quantizer to perform quantization to the orthogonal-transform coefficients data based on a specific quantization parameter, thus generating post-quantization data;</p> <p>an inverse-quantizer to perform inverse-quantization to the post-quantization data based on a specific quantization parameter, thus generating post-inverse-quantization data; and</p>				

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	<p>an inverse-orthogonal transformer to perform inverse-orthogonal transform to the post-inverse-quantization data, thus producing a decoded residual picture.</p> <p><u>'025 Patent, Claim 3</u></p> <p>The moving-picture coding apparatus according to claim 1 wherein the predictive encoder includes an entropy encoder to perform entropy encoding, at least, to the post-quantization data and the border motion-vector data, thus generating coded bitstreams, wherein the moving-picture coding apparatus comprises a multiplexer to multiplex the coded bitstreams based on a specific syntax structure.</p> <p><u>'025 Patent, Claim 4</u></p> <p>A non-transitory computer readable device having stored</p>				

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	<p>thereon a computer program comprising a set of instructions when executed by a computer to implement a method for moving-picture coding, the program comprising:</p> <p>a predictive encoding program code to produce and encode a residual picture that is a residual signal between a picture to be coded that is an input moving-picture video signal to be subjected to coding and a predictive picture produced from a reference picture that is a local decoded video signal for each of a plurality of rectangular zones, each composed of a specific number of pixels, into which a video area of the moving-picture video signal is divided;</p> <p>a zone-border motion estimation program code to obtain a boundary condition of each of a plurality of borders between the rectangular zones and another plurality of rectangular zones adjacent to the rectangular</p>				

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	<p>zones, find a border, of the reference picture, having a boundary condition that matches the boundary condition, by motion-vector search in the reference picture, and generate border motion-vector data that is data on a motion vector from a border of the rectangular zone in the picture to be coded to the border of the reference picture thus found; and</p> <p>a zone-border motion compensation program code to define a boundary condition of a border that corresponds to the border motion vector data, from the reference picture based on the border motion-vector data, and generate an estimated video signal in each rectangular zone in the picture to be coded, that satisfies Poisson's Equation, thus producing a first predictive picture,</p> <p>wherein the predictive encoding program code produces the residual picture with the first</p>				

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	<p>predictive picture as the predictive picture and encodes the residual picture;</p> <p>said predictive encoding program code including a first subtraction program code to produce a first residual picture from a difference between the picture to be coded and the first predictive picture;</p> <p>an orthogonal transform program code to perform orthogonal transform to the first residual picture, thus generating orthogonal-transform coefficients data;</p> <p>a quantization program code to perform quantization to the orthogonal-transform coefficients data based on a specific quantization parameter, thus generating post-quantization data;</p> <p>an inverse-quantization program code to perform inverse-quantization to the post-quantization data based on a</p>				

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	<p>specific quantization parameter, thus generating post-inverse-quantization data;</p> <p>an inverse-orthogonal transform program code to perform inverse-orthogonal transform to the post-inverse-quantization data, thus producing a decoded residual picture; and</p> <p>an entropy coding program code to perform entropy coding, at least, to the post-quantization data and the border motion-vector data, thus generating coded bit strings,</p> <p>wherein the moving-picture coding program further comprises multiplex program code to multiplex the coded bit strings based on a specific syntax structure, thus generating a coded bitstream.</p> <p><u>'025 Claim 6</u></p>				

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	<p>A moving-picture decoding apparatus comprising:</p> <p>a demultiplexer to demultiplex coded data from an input signal based on a specific syntax structure, the input signal being obtained by multiplexing a coded bitstream obtained by predictive coding, border motion-vector data and post-quantization data obtained by quantization in the predictive coding, the coded bitstream obtained by producing and encoding a residual picture that is a residual signal between a picture to be coded that is an input moving-picture video signal to be subjected to coding and a predictive picture produced from a reference picture that is a local decoded video signal for each of a plurality of rectangular zones, each composed of a specific number of pixels, into which a video area of the moving-picture video signal is divided,</p>				

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	<p>obtaining a boundary condition of each of a plurality of borders between the rectangular zones and another plurality of rectangular zones adjacent to the rectangular zones, finding a border, of the reference picture, having a boundary condition that matches the boundary condition, by motion-vector search in the reference picture, and generating the border motion-vector data that is data on a motion vector from a border of the rectangular zone in the picture to be coded to the border of the reference picture thus found, defining a boundary condition of a border that corresponds to the border motion vector data, from the reference picture based on the border motion-vector data, and generating an estimated video signal in each rectangular zone in the picture to be coded, that satisfies Poisson's Equation, thus producing the predictive picture;</p>				

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	<p>an entropy decoder to perform entropy decoding to the data thus demultiplexed to generate, at least, motion-vector data, the post-quantization data, the border motion-vector data and parameter data required for constructing a specific syntax structure;</p> <p>an inverse-quantizer to perform inverse-quantization to the post-quantization data to generate post-quantization orthogonal transform coefficients data;</p> <p>an inverse-orthogonal transformer to perform inverse-orthogonal transform to the post-quantization orthogonal transform coefficients data to produce a decoded residual picture of one video area;</p> <p>a zone-border motion compensator to define a boundary condition of a border that corresponds to the border motion vector data, from the reference picture based on the</p>				

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	<p>border motion-vector data, and generate an estimated video signal in each rectangular zone in the picture to be coded, that satisfies Poisson's Equation, thus producing a first predictive picture;</p> <p>a combiner to combine the first predictive picture and the decoded residual picture to generate a decoded moving-picture signal;</p> <p>a memory to store the decoded moving-picture signal for at least one picture as a reference picture;</p> <p>a motion compensator to specify a corresponding rectangular zone in the reference picture based on the motion-vector data, thus generating a second predictive picture;</p> <p>a selector to select either the first predictive picture or the second predictive picture and supply the</p>				

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	<p>predictive picture thus selected to the combiner; and</p> <p>a decoding controller to receive decoding control data for decoding control from the parameter data and control the selector to switch the predictive picture to be supplied to the combiner between the first and second predictive pictures according to the decoding control data.</p> <p><u>'025 Patent, Claim 7</u></p> <p>A non-transitory computer readable device having stored thereon a computer program comprising a set of instructions when executed by a computer to implement a method for moving-picture decoding, the program comprising:</p> <p>a demultiplex program code to demultiplex coded data from an input signal based on a specific syntax structure, the input signal</p>				

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	<p>being obtained by multiplexing a coded bitstream obtained by predictive coding, border motion-vector data and post-quantization data obtained by quantization in the predictive coding, the coded bitstream obtained by producing and encoding a residual picture that is a residual signal between a picture to be coded that is an input moving-picture video signal to be subjected to coding and a predictive picture produced from a reference picture that is a local decoded video signal for each of a plurality of rectangular zones, each composed of a specific number of pixels, into which a video area of the moving-picture video signal is divided, obtaining a boundary condition of each of a plurality of borders between the rectangular zones and another plurality of rectangular zones adjacent to the rectangular zones, finding a</p>				

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	<p>border, of the reference picture, having a boundary condition that matches the boundary condition, by motion-vector search in the reference picture, and generating the border motion-vector data that is data on a motion vector from a border of the rectangular zone in the picture to be coded to the border of the reference picture thus found, defining a boundary condition of a border that corresponds to the border motion vector data, from the reference picture based on the border motion-vector data, and generating an estimated video signal in each rectangular zone in the picture to be coded, that satisfies Poisson's Equation, thus producing the predictive picture;</p> <p>an entropy decoding program code to perform entropy decoding to the data thus demultiplexed to generate, at least, the post-quantization data, the border motion-vector data</p>				

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	<p>and parameter data required for constructing a specific syntax structure;</p> <p>an inverse-quantization program code to perform inverse-quantization to the post-quantization data to generate post-quantization orthogonal transform coefficients data;</p> <p>an inverse-orthogonal transform program code to perform inverse-orthogonal transform to the post-quantization orthogonal transform coefficients data to produce a decoded residual picture of one video area;</p> <p>a zone-border motion compensation program code to define a boundary condition of a border that corresponds to the border motion vector data, from the reference picture based on the border motion-vector data, and generate an estimated video signal in each rectangular zone in the picture to be coded, that satisfies Poisson's Equation,</p>				

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	<p>thus producing a first predictive picture; and</p> <p>a combine program code to combine the first predictive picture and the decoded residual picture to generate a decoded moving-picture signal, the decoded moving-picture signal for at least one picture being stored as a reference picture</p> <p><u>'025 Patent, Claim 9</u></p> <p>A moving-picture coding method to be implemented in a moving-picture coding apparatus comprising the steps of:</p> <p>producing and encoding a residual picture that is a residual signal between a picture to be coded that is an input moving-picture video signal to be subjected to coding and a predictive picture produced from a reference picture that is a local decoded video signal for each of a plurality of rectangular zones,</p>				

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	<p>each composed of a specific number of pixels, into which a video area of the moving-picture video signal is divided;</p> <p>obtaining a boundary condition of each of a plurality of borders between the rectangular zones and another plurality of rectangular zones adjacent to the rectangular zones, finding a border, of the reference picture, having a boundary condition that matches the boundary condition, by motion-vector search in the reference picture, and generating border motion-vector data that is data on a motion vector from a border of the rectangular zone in the picture to be coded to the border of the reference picture thus found;</p> <p>defining a boundary condition of a border that corresponds to the border motion vector data, from the reference picture based on the border motion-vector data, and generating an estimated video signal in each</p>				

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	<p>rectangular zone in the picture to be coded, that satisfies Poisson's Equation, thus producing a first predictive picture;</p> <p>producing a first residual picture from a difference between the picture to be coded and the first predictive picture;</p> <p>performing orthogonal transform to the first residual picture, thus generating orthogonal-transform coefficients data;</p> <p>performing quantization to the orthogonal-transform coefficients data based on a specific quantization parameter, thus generating post-quantization data;</p> <p>performing inverse-quantization to the post-quantization data based on a specific quantization parameter, thus generating post-inverse-quantization data; and</p> <p>performing inverse-orthogonal transform to the post-inverse-quantization data, thus</p>				

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	<p>producing a decoded residual picture.</p> <p><u>'025 Patent, Claim 10</u></p> <p>A moving-picture decoding method to be implemented in a moving-picture coding apparatus comprising the steps of:</p> <p>demultiplying coded data from an input signal based on a specific syntax structure, the input signal being obtained by multiplexing a coded bitstream obtained by predictive coding, border motion-vector data and post-quantization data obtained by quantization in the predictive coding, the coded bitstream obtained by producing and encoding a residual picture that is a residual signal between a picture to be coded that is an input moving-picture video signal to be subjected to coding and a predictive picture produced from a reference picture that is a local decoded</p>				

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	<p>video signal for each of a plurality of rectangular zones, each composed of a specific number of pixels, into which a video area of the moving-picture video signal is divided, obtaining a boundary condition of each of a plurality of borders between the rectangular zones and another plurality of rectangular zones adjacent to the rectangular zones, finding a border, of the reference picture, having a boundary condition that matches the boundary condition, by motion-vector search in the reference picture, and generating the border motion-vector data that is data on a motion vector from a border of the rectangular zone in the picture to be coded to the border of the reference picture thus found, defining a boundary condition of a border that corresponds to the border motion vector data, from the reference picture based on the border motion-vector data,</p>				

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	<p>and generating an estimated video signal in each rectangular zone in the picture to be coded, that satisfies Poisson's Equation, thus producing the predictive picture;</p> <p>performing entropy decoding to the data thus demultiplexed to generate, at least, the post-quantization data, the border motion-vector data and parameter data required for constructing a specific syntax structure;</p> <p>performing inverse-quantization to the post-quantization data to generate post-quantization orthogonal transform coefficients data;</p> <p>performing inverse-orthogonal transform to the post-quantization orthogonal transform coefficients data to produce a decoded residual picture of one video area;</p> <p>defining a boundary condition of a border that corresponds to the</p>				

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	<p>border motion vector data, from the reference picture based on the border motion-vector data, and generate an estimated video signal in each rectangular zone in the picture to be coded, that satisfies Poisson's Equation, thus producing a first predictive picture;</p> <p>combining the first predictive picture and the decoded residual picture to generate a decoded moving-picture signal; and</p> <p>storing the decoded moving-picture signal for at least one picture as a reference picture.</p>				
2.	<p><u>'025 Patent, Claim 1</u></p> <p>A moving-picture coding apparatus comprising:</p> <p>a predictive encoder to produce and encode a residual picture that is a residual signal between a picture to be coded that is an input moving-picture video</p>	<p>“boundary condition”</p> <p>'025 Patent, Claims 1, 4, 6-7, 9-10</p>	[AGREED]	[AGREED]	<p>“gradient data pertaining to the pixels at the boundary of a block”</p>

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	<p>signal to be subjected to coding and a predictive picture produced from a reference picture that is a local decoded video signal for each of a plurality of rectangular zones, each composed of a specific number of pixels, into which a video area of the moving-picture video signal is divided;</p> <p>a zone-border motion estimator to obtain a boundary condition of each of a plurality of borders between the rectangular zones and another plurality of rectangular zones adjacent to the rectangular zones, find a border, of the reference picture, having a boundary condition that matches the boundary condition, by motion-vector search in the reference picture, and generate border motion-vector data that is data on a motion vector from a border of the rectangular zone in the picture to be coded to the border</p>				

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	<p>of the reference picture thus found; and</p> <p>a zone-border motion compensator to define a boundary condition of a border that corresponds to the border motion vector data, from the reference picture based on the border motion-vector data, and generate an estimated video signal in each rectangular zone in the picture to be coded, that satisfies Poisson's Equation, thus producing a first predictive picture,</p> <p>wherein the predictive encoder produces the residual picture with the first predictive picture as the predictive picture and encodes the residual picture;</p> <p>said predictive encoder including a first subtractor to produce a first residual picture from a difference between the picture to be coded and the first predictive picture;</p>				

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	<p>an orthogonal transformer to perform orthogonal transform to the first residual picture, thus generating orthogonal-transform coefficients data;</p> <p>a quantizer to perform quantization to the orthogonal-transform coefficients data based on a specific quantization parameter, thus generating post-quantization data;</p> <p>an inverse-quantizer to perform inverse-quantization to the post-quantization data based on a specific quantization parameter, thus generating post-inverse-quantization data; and</p> <p>an inverse-orthogonal transformer to perform inverse-orthogonal transform to the post-inverse-quantization data, thus producing a decoded residual picture.</p> <p><u>'025 Patent, Claim 4</u></p>				

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	<p>A non-transitory computer readable device having stored thereon a computer program comprising a set of instructions when executed by a computer to implement a method for moving-picture coding, the program comprising:</p> <p>a predictive encoding program code to produce and encode a residual picture that is a residual signal between a picture to be coded that is an input moving-picture video signal to be subjected to coding and a predictive picture produced from a reference picture that is a local decoded video signal for each of a plurality of rectangular zones, each composed of a specific number of pixels, into which a video area of the moving-picture video signal is divided;</p> <p>a zone-border motion estimation program code to obtain a boundary condition of each of a plurality of borders between the rectangular zones and</p>				

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	<p>another plurality of rectangular zones adjacent to the rectangular zones, find a border, of the reference picture, having a boundary condition that matches the boundary condition, by motion-vector search in the reference picture, and generate border motion-vector data that is data on a motion vector from a border of the rectangular zone in the picture to be coded to the border of the reference picture thus found; and</p> <p>a zone-border motion compensation program code to define a boundary condition of a border that corresponds to the border motion vector data, from the reference picture based on the border motion-vector data, and generate an estimated video signal in each rectangular zone in the picture to be coded, that satisfies Poisson's Equation, thus producing a first predictive picture,</p>				

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	<p>wherein the predictive encoding program code produces the residual picture with the first predictive picture as the predictive picture and encodes the residual picture;</p> <p>said predictive encoding program code including a first subtraction program code to produce a first residual picture from a difference between the picture to be coded and the first predictive picture;</p> <p>an orthogonal transform program code to perform orthogonal transform to the first residual picture, thus generating orthogonal-transform coefficients data;</p> <p>a quantization program code to perform quantization to the orthogonal-transform coefficients data based on a specific quantization parameter, thus generating post-quantization data;</p>				

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	<p>an inverse-quantization program code to perform inverse-quantization to the post-quantization data based on a specific quantization parameter, thus generating post-inverse-quantization data;</p> <p>an inverse-orthogonal transform program code to perform inverse-orthogonal transform to the post-inverse-quantization data, thus producing a decoded residual picture; and</p> <p>an entropy coding program code to perform entropy coding, at least, to the post-quantization data and the border motion-vector data, thus generating coded bit strings,</p> <p>wherein the moving-picture coding program further comprises multiplex program code to multiplex the coded bit strings based on a specific syntax structure, thus generating a coded bitstream.</p>				

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	<p><u>'025 Patent, Claim 6</u></p> <p>A moving-picture decoding apparatus comprising:</p> <p>a demultiplexer to demultiplex coded data from an input signal based on a specific syntax structure, the input signal being obtained by multiplexing a coded bitstream obtained by predictive coding, border motion-vector data and post-quantization data obtained by quantization in the predictive coding, the coded bitstream obtained by producing and encoding a residual picture that is a residual signal between a picture to be coded that is an input moving-picture video signal to be subjected to coding and a predictive picture produced from a reference picture that is a local decoded video signal for each of a plurality of rectangular zones, each composed of a specific</p>				

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	<p>number of pixels, into which a video area of the moving-picture video signal is divided, obtaining a boundary condition of each of a plurality of borders between the rectangular zones and another plurality of rectangular zones adjacent to the rectangular zones, finding a border, of the reference picture, having a boundary condition that matches the boundary condition, by motion-vector search in the reference picture, and generating the border motion-vector data that is data on a motion vector from a border of the rectangular zone in the picture to be coded to the border of the reference picture thus found, defining a boundary condition of a border that corresponds to the border motion vector data, from the reference picture based on the border motion-vector data, and generating an estimated video signal in each rectangular zone</p>				

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	<p>in the picture to be coded, that satisfies Poisson's Equation, thus producing the predictive picture;</p> <p>an entropy decoder to perform entropy decoding to the data thus demultiplexed to generate, at least, motion-vector data, the post-quantization data, the border motion-vector data and parameter data required for constructing a specific syntax structure;</p> <p>an inverse-quantizer to perform inverse-quantization to the post-quantization data to generate post-quantization orthogonal transform coefficients data;</p> <p>an inverse-orthogonal transformer to perform inverse-orthogonal transform to the post-quantization orthogonal transform coefficients data to produce a decoded residual picture of one video area;</p> <p>a zone-border motion compensator to define a boundary condition of a border</p>				

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	<p>that corresponds to the border motion vector data, from the reference picture based on the border motion-vector data, and generate an estimated video signal in each rectangular zone in the picture to be coded, that satisfies Poisson's Equation, thus producing a first predictive picture;</p> <p>a combiner to combine the first predictive picture and the decoded residual picture to generate a decoded moving-picture signal;</p> <p>a memory to store the decoded moving-picture signal for at least one picture as a reference picture;</p> <p>a motion compensator to specify a corresponding rectangular zone in the reference picture based on the motion-vector data, thus generating a second predictive picture;</p> <p>a selector to select either the first predictive picture or the second</p>				

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	<p>predictive picture and supply the predictive picture thus selected to the combiner; and</p> <p>a decoding controller to receive decoding control data for decoding control from the parameter data and control the selector to switch the predictive picture to be supplied to the combiner between the first and second predictive pictures according to the decoding control data.</p> <p><u>'025 Patent, Claim 7</u></p> <p>A non-transitory computer readable device having stored thereon a computer program comprising a set of instructions when executed by a computer to implement a method for moving-picture decoding, the program comprising:</p> <p>a demultiplex program code to demultiplex coded data from an input signal based on a specific syntax structure, the input signal being obtained by multiplexing a</p>				

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	<p>coded bitstream obtained by predictive coding, border motion-vector data and post-quantization data obtained by quantization in the predictive coding, the coded bitstream obtained by producing and encoding a residual picture that is a residual signal between a picture to be coded that is an input moving-picture video signal to be subjected to coding and a predictive picture produced from a reference picture that is a local decoded video signal for each of a plurality of rectangular zones, each composed of a specific number of pixels, into which a video area of the moving-picture video signal is divided, obtaining a boundary condition of each of a plurality of borders between the rectangular zones and another plurality of rectangular zones adjacent to the rectangular zones, finding a border, of the reference picture,</p>				

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	<p>having a boundary condition that matches the boundary condition, by motion-vector search in the reference picture, and generating the border motion-vector data that is data on a motion vector from a border of the rectangular zone in the picture to be coded to the border of the reference picture thus found, defining a boundary condition of a border that corresponds to the border motion vector data, from the reference picture based on the border motion-vector data, and generating an estimated video signal in each rectangular zone in the picture to be coded, that satisfies Poisson's Equation, thus producing the predictive picture;</p> <p>an entropy decoding program code to perform entropy decoding to the data thus demultiplexed to generate, at least, the post-quantization data, the border motion-vector data and parameter data required for</p>				

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	<p>constructing a specific syntax structure;</p> <p>an inverse-quantization program code to perform inverse-quantization to the post-quantization data to generate post-quantization orthogonal transform coefficients data;</p> <p>an inverse-orthogonal transform program code to perform inverse-orthogonal transform to the post-quantization orthogonal transform coefficients data to produce a decoded residual picture of one video area;</p> <p>a zone-border motion compensation program code to define a boundary condition of a border that corresponds to the border motion vector data, from the reference picture based on the border motion-vector data, and generate an estimated video signal in each rectangular zone in the picture to be coded, that satisfies Poisson's Equation, thus</p>				

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	<p>producing a first predictive picture; and</p> <p>a combine program code to combine the first predictive picture and the decoded residual picture to generate a decoded moving-picture signal, the decoded moving-picture signal for at least one picture being stored as a reference picture.</p> <p><u>'025 Patent, Claim 9</u></p> <p>A moving-picture coding method to be implemented in a moving-picture coding apparatus comprising the steps of:</p> <p>producing and encoding a residual picture that is a residual signal between a picture to be coded that is an input moving-picture video signal to be subjected to coding and a predictive picture produced from a reference picture that is a local decoded video signal for each of a plurality of rectangular zones,</p>				

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	<p>each composed of a specific number of pixels, into which a video area of the moving-picture video signal is divided;</p> <p>obtaining a boundary condition of each of a plurality of borders between the rectangular zones and another plurality of rectangular zones adjacent to the rectangular zones, finding a border, of the reference picture, having a boundary condition that matches the boundary condition, by motion-vector search in the reference picture, and generating border motion-vector data that is data on a motion vector from a border of the rectangular zone in the picture to be coded to the border of the reference picture thus found;</p> <p>defining a boundary condition of a border that corresponds to the border motion vector data, from the reference picture based on the border motion-vector data, and generating an</p>				

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	<p>estimated video signal in each rectangular zone in the picture to be coded, that satisfies Poisson's Equation, thus producing a first predictive picture;</p> <p>producing a first residual picture from a difference between the picture to be coded and the first predictive picture;</p> <p>performing orthogonal transform to the first residual picture, thus generating orthogonal-transform coefficients data;</p> <p>performing quantization to the orthogonal-transform coefficients data based on a specific quantization parameter, thus generating post-quantization data;</p> <p>performing inverse-quantization to the post-quantization data based on a specific quantization parameter, thus generating post-inverse-quantization data; and</p> <p>performing inverse-orthogonal transform to the post-inverse-</p>				

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>quantization data, thus producing a decoded residual picture.</p> <p><u>'025 Patent, Claim 10</u></p> <p>A moving-picture decoding method to be implemented in a moving-picture coding apparatus comprising the steps of:</p> <p>demultiplexing coded data from an input signal based on a specific syntax structure, the input signal being obtained by multiplexing a coded bitstream obtained by predictive coding, border motion-vector data and post-quantization data obtained by quantization in the predictive coding, the coded bitstream obtained by producing and encoding a residual picture that is a residual signal between a picture to be coded that is an input moving-picture video signal to be subjected to coding and a predictive picture produced from a reference</p>				

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>picture that is a local decoded video signal for each of a plurality of rectangular zones, each composed of a specific number of pixels, into which a video area of the moving-picture video signal is divided, obtaining a boundary condition of each of a plurality of borders between the rectangular zones and another plurality of rectangular zones adjacent to the rectangular zones, finding a border, of the reference picture, having a boundary condition that matches the boundary condition, by motion-vector search in the reference picture, and generating the border motion-vector data that is data on a motion vector from a border of the rectangular zone in the picture to be coded to the border of the reference picture thus found, defining a boundary condition of a border that corresponds to the border motion vector data, from the</p>				

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	<p>reference picture based on the border motion-vector data, and generating an estimated video signal in each rectangular zone in the picture to be coded, that satisfies Poisson's Equation, thus producing the predictive picture;</p> <p>performing entropy decoding to the data thus demultiplexed to generate, at least, the post-quantization data, the border motion-vector data and parameter data required for constructing a specific syntax structure;</p> <p>performing inverse-quantization to the post-quantization data to generate post-quantization orthogonal transform coefficients data;</p> <p>performing inverse-orthogonal transform to the post-quantization orthogonal transform coefficients data to produce a decoded residual picture of one video area;</p>				

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>defining a boundary condition of a border that corresponds to the border motion vector data, from the reference picture based on the border motion-vector data, and generate an estimated video signal in each rectangular zone in the picture to be coded, that satisfies Poisson's Equation, thus producing a first predictive picture;</p> <p>combining the first predictive picture and the decoded residual picture to generate a decoded moving-picture signal; and</p> <p>storing the decoded moving-picture signal for at least one picture as a reference picture.</p>				
3.	<p><u>'025 Patent, Claim 1</u></p> <p>A moving-picture coding apparatus comprising:</p> <p>a predictive encoder to produce and encode a residual picture that is a residual signal between a picture to be coded that is an input moving-picture video</p>	<p>“[an estimated video signal...] that satisfies Poisson’s Equation”</p> <p>'025 Patent, Claims 1, 4, 6-</p>	<p>“[an estimated video signal] for which Poisson’s Equation is true”</p>	<p>“[an estimated video signal] generated by applying Poisson’s Equation”</p>	

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>signal to be subjected to coding and a predictive picture produced from a reference picture that is a local decoded video signal for each of a plurality of rectangular zones, each composed of a specific number of pixels, into which a video area of the moving-picture video signal is divided;</p> <p>a zone-border motion estimator to obtain a boundary condition of each of a plurality of borders between the rectangular zones and another plurality of rectangular zones adjacent to the rectangular zones, find a border, of the reference picture, having a boundary condition that matches the boundary condition, by motion-vector search in the reference picture, and generate border motion-vector data that is data on a motion vector from a border of the rectangular zone in the picture to be coded to the border of the reference picture thus found; and</p>	7, 9-10			

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>a zone-border motion compensator to define a boundary condition of a border that corresponds to the border motion vector data, from the reference picture based on the border motion-vector data, and generate an estimated video signal in each rectangular zone in the picture to be coded, that satisfies Poisson's Equation, thus producing a first predictive picture,</p> <p>wherein the predictive encoder produces the residual picture with the first predictive picture as the predictive picture and encodes the residual picture;</p> <p>said predictive encoder including a first subtractor to produce a first residual picture from a difference between the picture to be coded and the first predictive picture;</p> <p>an orthogonal transformer to perform orthogonal transform to the first residual picture, thus</p>				

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>generating orthogonal-transform coefficients data;</p> <p>a quantizer to perform quantization to the orthogonal-transform coefficients data based on a specific quantization parameter, thus generating post-quantization data;</p> <p>an inverse-quantizer to perform inverse-quantization to the post-quantization data based on a specific quantization parameter, thus generating post-inverse-quantization data; and</p> <p>an inverse-orthogonal transformer to perform inverse-orthogonal transform to the post-inverse-quantization data, thus producing a decoded residual picture.</p> <p><u>'025 Patent, Claim 4</u></p> <p>A non-transitory computer readable device having stored thereon a computer program comprising a set of instructions</p>				

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>when executed by a computer to implement a method for moving-picture coding, the program comprising:</p> <p>a predictive encoding program code to produce and encode a residual picture that is a residual signal between a picture to be coded that is an input moving-picture video signal to be subjected to coding and a predictive picture produced from a reference picture that is a local decoded video signal for each of a plurality of rectangular zones, each composed of a specific number of pixels, into which a video area of the moving-picture video signal is divided;</p> <p>a zone-border motion estimation program code to obtain a boundary condition of each of a plurality of borders between the rectangular zones and another plurality of rectangular zones adjacent to the rectangular zones, find a border, of the reference picture, having a</p>				

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>boundary condition that matches the boundary condition, by motion-vector search in the reference picture, and generate border motion-vector data that is data on a motion vector from a border of the rectangular zone in the picture to be coded to the border of the reference picture thus found; and</p> <p>a zone-border motion compensation program code to define a boundary condition of a border that corresponds to the border motion vector data, from the reference picture based on the border motion-vector data, and generate an estimated video signal in each rectangular zone in the picture to be coded, that satisfies Poisson's Equation, thus producing a first predictive picture,</p> <p>wherein the predictive encoding program code produces the residual picture with the first predictive picture as the</p>				

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	<p>predictive picture and encodes the residual picture;</p> <p>said predictive encoding program code including a first subtraction program code to produce a first residual picture from a difference between the picture to be coded and the first predictive picture;</p> <p>an orthogonal transform program code to perform orthogonal transform to the first residual picture, thus generating orthogonal-transform coefficients data;</p> <p>a quantization program code to perform quantization to the orthogonal-transform coefficients data based on a specific quantization parameter, thus generating post-quantization data;</p> <p>an inverse-quantization program code to perform inverse-quantization to the post-quantization data based on a specific quantization parameter,</p>				

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	<p>thus generating post-inverse-quantization data;</p> <p>an inverse-orthogonal transform program code to perform inverse-orthogonal transform to the post-inverse-quantization data, thus producing a decoded residual picture; and</p> <p>an entropy coding program code to perform entropy coding, at least, to the post-quantization data and the border motion-vector data, thus generating coded bit strings,</p> <p>wherein the moving-picture coding program further comprises multiplex program code to multiplex the coded bit strings based on a specific syntax structure, thus generating a coded bitstream.</p> <p><u>'025 Patent, Claim 6</u></p> <p>A moving-picture decoding apparatus comprising:</p>				

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	<p>a demultiplexer to demultiplex coded data from an input signal based on a specific syntax structure, the input signal being obtained by multiplexing a coded bitstream obtained by predictive coding, border motion-vector data and post-quantization data obtained by quantization in the predictive coding, the coded bitstream obtained by producing and encoding a residual picture that is a residual signal between a picture to be coded that is an input moving-picture video signal to be subjected to coding and a predictive picture produced from a reference picture that is a local decoded video signal for each of a plurality of rectangular zones, each composed of a specific number of pixels, into which a video area of the moving-picture video signal is divided, obtaining a boundary condition of each of a plurality of borders</p>				

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	<p>between the rectangular zones and another plurality of rectangular zones adjacent to the rectangular zones, finding a border, of the reference picture, having a boundary condition that matches the boundary condition, by motion-vector search in the reference picture, and generating the border motion-vector data that is data on a motion vector from a border of the rectangular zone in the picture to be coded to the border of the reference picture thus found, defining a boundary condition of a border that corresponds to the border motion vector data, from the reference picture based on the border motion-vector data, and generating an estimated video signal in each rectangular zone in the picture to be coded, that satisfies Poisson's Equation, thus producing the predictive picture;</p> <p>an entropy decoder to perform entropy decoding to the data</p>				

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	<p>thus demultiplexed to generate, at least, motion-vector data, the post-quantization data, the border motion-vector data and parameter data required for constructing a specific syntax structure;</p> <p>an inverse-quantizer to perform inverse-quantization to the post-quantization data to generate post-quantization orthogonal transform coefficients data;</p> <p>an inverse-orthogonal transformer to perform inverse-orthogonal transform to the post-quantization orthogonal transform coefficients data to produce a decoded residual picture of one video area;</p> <p>a zone-border motion compensator to define a boundary condition of a border that corresponds to the border motion vector data, from the reference picture based on the border motion-vector data, and generate an estimated video</p>				

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>signal in each rectangular zone in the picture to be coded, that satisfies Poisson's Equation, thus producing a first predictive picture;</p> <p>a combiner to combine the first predictive picture and the decoded residual picture to generate a decoded moving-picture signal;</p> <p>a memory to store the decoded moving-picture signal for at least one picture as a reference picture;</p> <p>a motion compensator to specify a corresponding rectangular zone in the reference picture based on the motion-vector data, thus generating a second predictive picture;</p> <p>a selector to select either the first predictive picture or the second predictive picture and supply the predictive picture thus selected to the combiner; and</p>				

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>a decoding controller to receive decoding control data for decoding control from the parameter data and control the selector to switch the predictive picture to be supplied to the combiner between the first and second predictive pictures according to the decoding control data</p> <p><u>'025 Patent, Claim 7</u></p> <p>A non-transitory computer readable device having stored thereon a computer program comprising a set of instructions when executed by a computer to implement a method for moving-picture decoding, the program comprising:</p> <p>a demultiplex program code to demultiplex coded data from an input signal based on a specific syntax structure, the input signal being obtained by multiplexing a coded bitstream obtained by predictive coding, border motion-vector data and post-</p>				

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	<p>quantization data obtained by quantization in the predictive coding, the coded bitstream obtained by producing and encoding a residual picture that is a residual signal between a picture to be coded that is an input moving-picture video signal to be subjected to coding and a predictive picture produced from a reference picture that is a local decoded video signal for each of a plurality of rectangular zones, each composed of a specific number of pixels, into which a video area of the moving-picture video signal is divided, obtaining a boundary condition of each of a plurality of borders between the rectangular zones and another plurality of rectangular zones adjacent to the rectangular zones, finding a border, of the reference picture, having a boundary condition that matches the boundary condition, by motion-vector search in the</p>				

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>reference picture, and generating the border motion-vector data that is data on a motion vector from a border of the rectangular zone in the picture to be coded to the border of the reference picture thus found, defining a boundary condition of a border that corresponds to the border motion vector data, from the reference picture based on the border motion-vector data, and generating an estimated video signal in each rectangular zone in the picture to be coded, that satisfies Poisson's Equation, thus producing the predictive picture;</p> <p>an entropy decoding program code to perform entropy decoding to the data thus demultiplexed to generate, at least, the post-quantization data, the border motion-vector data and parameter data required for constructing a specific syntax structure;</p>				

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>an inverse-quantization program code to perform inverse-quantization to the post-quantization data to generate post-quantization orthogonal transform coefficients data;</p> <p>an inverse-orthogonal transform program code to perform inverse-orthogonal transform to the post-quantization orthogonal transform coefficients data to produce a decoded residual picture of one video area;</p> <p>a zone-border motion compensation program code to define a boundary condition of a border that corresponds to the border motion vector data, from the reference picture based on the border motion-vector data, and generate an estimated video signal in each rectangular zone in the picture to be coded, that satisfies Poisson's Equation, thus producing a first predictive picture; and</p>				

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>a combine program code to combine the first predictive picture and the decoded residual picture to generate a decoded moving-picture signal, the decoded moving-picture signal for at least one picture being stored as a reference picture.</p> <p><u>'025 Patent, Claim 9</u></p> <p>A moving-picture coding method to be implemented in a moving-picture coding apparatus comprising the steps of:</p> <p>producing and encoding a residual picture that is a residual signal between a picture to be coded that is an input moving-picture video signal to be subjected to coding and a predictive picture produced from a reference picture that is a local decoded video signal for each of a plurality of rectangular zones, each composed of a specific number of pixels, into which a</p>				

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	<p>video area of the moving-picture video signal is divided;</p> <p>obtaining a boundary condition of each of a plurality of borders between the rectangular zones and another plurality of rectangular zones adjacent to the rectangular zones, finding a border, of the reference picture, having a boundary condition that matches the boundary condition, by motion-vector search in the reference picture, and generating border motion-vector data that is data on a motion vector from a border of the rectangular zone in the picture to be coded to the border of the reference picture thus found;</p> <p>defining a boundary condition of a border that corresponds to the border motion vector data, from the reference picture based on the border motion-vector data, and generating an estimated video signal in each rectangular zone in the picture to be coded, that satisfies Poisson's</p>				

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>Equation, thus producing a first predictive picture;</p> <p>producing a first residual picture from a difference between the picture to be coded and the first predictive picture;</p> <p>performing orthogonal transform to the first residual picture, thus generating orthogonal-transform coefficients data;</p> <p>performing quantization to the orthogonal-transform coefficients data based on a specific quantization parameter, thus generating post-quantization data;</p> <p>performing inverse-quantization to the post-quantization data based on a specific quantization parameter, thus generating post-inverse-quantization data; and</p> <p>performing inverse-orthogonal transform to the post-inverse-quantization data, thus producing a decoded residual picture.</p>				

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	<p><u>'025 Patent, Claim 10</u></p> <p>A moving-picture decoding method to be implemented in a moving-picture coding apparatus comprising the steps of:</p> <p>demultiplexing coded data from an input signal based on a specific syntax structure, the input signal being obtained by multiplexing a coded bitstream obtained by predictive coding, border motion-vector data and post-quantization data obtained by quantization in the predictive coding, the coded bitstream obtained by producing and encoding a residual picture that is a residual signal between a picture to be coded that is an input moving-picture video signal to be subjected to coding and a predictive picture produced from a reference picture that is a local decoded video signal for each of a plurality of rectangular zones,</p>				

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	<p>each composed of a specific number of pixels, into which a video area of the moving-picture video signal is divided, obtaining a boundary condition of each of a plurality of borders between the rectangular zones and another plurality of rectangular zones adjacent to the rectangular zones, finding a border, of the reference picture, having a boundary condition that matches the boundary condition, by motion-vector search in the reference picture, and generating the border motion-vector data that is data on a motion vector from a border of the rectangular zone in the picture to be coded to the border of the reference picture thus found, defining a boundary condition of a border that corresponds to the border motion vector data, from the reference picture based on the border motion-vector data, and generating an estimated video signal in each rectangular zone</p>				

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>in the picture to be coded, that satisfies Poisson's Equation, thus producing the predictive picture;</p> <p>performing entropy decoding to the data thus demultiplexed to generate, at least, the post-quantization data, the border motion-vector data and parameter data required for constructing a specific syntax structure;</p> <p>performing inverse-quantization to the post-quantization data to generate post-quantization orthogonal transform coefficients data;</p> <p>performing inverse-orthogonal transform to the post-quantization orthogonal transform coefficients data to produce a decoded residual picture of one video area;</p> <p>defining a boundary condition of a border that corresponds to the border motion vector data, from the reference picture based on</p>				

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>the border motion-vector data, and generate an estimated video signal in each rectangular zone in the picture to be coded, that satisfies Poisson's Equation, thus producing a first predictive picture;</p> <p>combining the first predictive picture and the decoded residual picture to generate a decoded moving-picture signal; and</p> <p>storing the decoded moving-picture signal for at least one picture as a reference picture.</p>				
4.	<p><u>'025 Patent, Claim 1</u></p> <p>A moving-picture coding apparatus comprising:</p> <p>a predictive encoder to produce and encode a residual picture that is a residual signal between a picture to be coded that is an input moving-picture video signal to be subjected to coding and a predictive picture produced from a reference picture that is a local decoded</p>	<p>“an estimated video signal”</p> <p>'025 Patent, Claims 1, 4, 6-7, 9-10</p>	<p>Plain and ordinary meaning</p>	<p>“a predictive signal generated based on boundary conditions”</p>	

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>video signal for each of a plurality of rectangular zones, each composed of a specific number of pixels, into which a video area of the moving-picture video signal is divided;</p> <p>a zone-border motion estimator to obtain a boundary condition of each of a plurality of borders between the rectangular zones and another plurality of rectangular zones adjacent to the rectangular zones, find a border, of the reference picture, having a boundary condition that matches the boundary condition, by motion-vector search in the reference picture, and generate border motion-vector data that is data on a motion vector from a border of the rectangular zone in the picture to be coded to the border of the reference picture thus found; and</p> <p>a zone-border motion compensator to define a boundary condition of a border that corresponds to the border</p>				

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>motion vector data, from the reference picture based on the border motion-vector data, and generate an estimated video signal in each rectangular zone in the picture to be coded, that satisfies Poisson's Equation, thus producing a first predictive picture,</p> <p>wherein the predictive encoder produces the residual picture with the first predictive picture as the predictive picture and encodes the residual picture;</p> <p>said predictive encoder including a first subtractor to produce a first residual picture from a difference between the picture to be coded and the first predictive picture;</p> <p>an orthogonal transformer to perform orthogonal transform to the first residual picture, thus generating orthogonal-transform coefficients data;</p> <p>a quantizer to perform quantization to the orthogonal-</p>				

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>transform coefficients data based on a specific quantization parameter, thus generating post-quantization data;</p> <p>an inverse-quantizer to perform inverse-quantization to the post-quantization data based on a specific quantization parameter, thus generating post-inverse-quantization data; and</p> <p>an inverse-orthogonal transformer to perform inverse-orthogonal transform to the post-inverse-quantization data, thus producing a decoded residual picture.</p> <p><u>'025 Patent, Claim 4</u></p> <p>A non-transitory computer readable device having stored thereon a computer program comprising a set of instructions when executed by a computer to implement a method for moving-picture coding, the program comprising:</p>				

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>a predictive encoding program code to produce and encode a residual picture that is a residual signal between a picture to be coded that is an input moving-picture video signal to be subjected to coding and a predictive picture produced from a reference picture that is a local decoded video signal for each of a plurality of rectangular zones, each composed of a specific number of pixels, into which a video area of the moving-picture video signal is divided;</p> <p>a zone-border motion estimation program code to obtain a boundary condition of each of a plurality of borders between the rectangular zones and another plurality of rectangular zones adjacent to the rectangular zones, find a border, of the reference picture, having a boundary condition that matches the boundary condition, by motion-vector search in the reference picture, and generate</p>				

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>border motion-vector data that is data on a motion vector from a border of the rectangular zone in the picture to be coded to the border of the reference picture thus found; and</p> <p>a zone-border motion compensation program code to define a boundary condition of a border that corresponds to the border motion vector data, from the reference picture based on the border motion-vector data, and generate an estimated video signal in each rectangular zone in the picture to be coded, that satisfies Poisson's Equation, thus producing a first predictive picture,</p> <p>wherein the predictive encoding program code produces the residual picture with the first predictive picture as the predictive picture and encodes the residual picture;</p> <p>said predictive encoding program code including a first</p>				

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	<p>subtraction program code to produce a first residual picture from a difference between the picture to be coded and the first predictive picture;</p> <p>an orthogonal transform program code to perform orthogonal transform to the first residual picture, thus generating orthogonal-transform coefficients data;</p> <p>a quantization program code to perform quantization to the orthogonal-transform coefficients data based on a specific quantization parameter, thus generating post-quantization data;</p> <p>an inverse-quantization program code to perform inverse-quantization to the post-quantization data based on a specific quantization parameter, thus generating post-inverse-quantization data;</p> <p>an inverse-orthogonal transform program code to perform</p>				

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>inverse-orthogonal transform to the post-inverse-quantization data, thus producing a decoded residual picture; and</p> <p>an entropy coding program code to perform entropy coding, at least, to the post-quantization data and the border motion-vector data, thus generating coded bit strings,</p> <p>wherein the moving-picture coding program further comprises multiplex program code to multiplex the coded bit strings based on a specific syntax structure, thus generating a coded bitstream.</p> <p><u>'025 Patent, Claim 6</u></p> <p>A moving-picture decoding apparatus comprising:</p> <p>a demultiplexer to demultiplex coded data from an input signal based on a specific syntax structure, the input signal being obtained by multiplexing a</p>				

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>coded bitstream obtained by predictive coding, border motion-vector data and post-quantization data obtained by quantization in the predictive coding, the coded bitstream obtained by producing and encoding a residual picture that is a residual signal between a picture to be coded that is an input moving-picture video signal to be subjected to coding and a predictive picture produced from a reference picture that is a local decoded video signal for each of a plurality of rectangular zones, each composed of a specific number of pixels, into which a video area of the moving-picture video signal is divided, obtaining a boundary condition of each of a plurality of borders between the rectangular zones and another plurality of rectangular zones adjacent to the rectangular zones, finding a border, of the reference picture,</p>				

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>having a boundary condition that matches the boundary condition, by motion-vector search in the reference picture, and generating the border motion-vector data that is data on a motion vector from a border of the rectangular zone in the picture to be coded to the border of the reference picture thus found, defining a boundary condition of a border that corresponds to the border motion vector data, from the reference picture based on the border motion-vector data, and generating an estimated video signal in each rectangular zone in the picture to be coded, that satisfies Poisson's Equation, thus producing the predictive picture;</p> <p>an entropy decoder to perform entropy decoding to the data thus demultiplexed to generate, at least, motion-vector data, the post-quantization data, the border motion-vector data and parameter data required for</p>				

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>constructing a specific syntax structure;</p> <p>an inverse-quantizer to perform inverse-quantization to the post-quantization data to generate post-quantization orthogonal transform coefficients data;</p> <p>an inverse-orthogonal transformer to perform inverse-orthogonal transform to the post-quantization orthogonal transform coefficients data to produce a decoded residual picture of one video area;</p> <p>a zone-border motion compensator to define a boundary condition of a border that corresponds to the border motion vector data, from the reference picture based on the border motion-vector data, and generate an estimated video signal in each rectangular zone in the picture to be coded, that satisfies Poisson's Equation, thus producing a first predictive picture;</p>				

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>a combiner to combine the first predictive picture and the decoded residual picture to generate a decoded moving-picture signal;</p> <p>a memory to store the decoded moving-picture signal for at least one picture as a reference picture;</p> <p>a motion compensator to specify a corresponding rectangular zone in the reference picture based on the motion-vector data, thus generating a second predictive picture;</p> <p>a selector to select either the first predictive picture or the second predictive picture and supply the predictive picture thus selected to the combiner; and</p> <p>a decoding controller to receive decoding control data for decoding control from the parameter data and control the selector to switch the predictive picture to be supplied to the combiner between the first and</p>				

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>second predictive pictures according to the decoding control data</p> <p><u>'025 Patent, Claim 7</u></p> <p>A non-transitory computer readable device having stored thereon a computer program comprising a set of instructions when executed by a computer to implement a method for moving-picture decoding, the program comprising:</p> <p>a demultiplex program code to demultiplex coded data from an input signal based on a specific syntax structure, the input signal being obtained by multiplexing a coded bitstream obtained by predictive coding, border motion-vector data and post-quantization data obtained by quantization in the predictive coding, the coded bitstream obtained by producing and encoding a residual picture that is a residual signal between a</p>				

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>picture to be coded that is an input moving-picture video signal to be subjected to coding and a predictive picture produced from a reference picture that is a local decoded video signal for each of a plurality of rectangular zones, each composed of a specific number of pixels, into which a video area of the moving-picture video signal is divided, obtaining a boundary condition of each of a plurality of borders between the rectangular zones and another plurality of rectangular zones adjacent to the rectangular zones, finding a border, of the reference picture, having a boundary condition that matches the boundary condition, by motion-vector search in the reference picture, and generating the border motion-vector data that is data on a motion vector from a border of the rectangular zone in the picture to be coded to the border of the reference</p>				

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>picture thus found, defining a boundary condition of a border that corresponds to the border motion vector data, from the reference picture based on the border motion-vector data, and generating an estimated video signal in each rectangular zone in the picture to be coded, that satisfies Poisson's Equation, thus producing the predictive picture;</p> <p>an entropy decoding program code to perform entropy decoding to the data thus demultiplexed to generate, at least, the post-quantization data, the border motion-vector data and parameter data required for constructing a specific syntax structure;</p> <p>an inverse-quantization program code to perform inverse-quantization to the post-quantization data to generate post-quantization orthogonal transform coefficients data;</p>				

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>an inverse-orthogonal transform program code to perform inverse-orthogonal transform to the post-quantization orthogonal transform coefficients data to produce a decoded residual picture of one video area;</p> <p>a zone-border motion compensation program code to define a boundary condition of a border that corresponds to the border motion vector data, from the reference picture based on the border motion-vector data, and generate an estimated video signal in each rectangular zone in the picture to be coded, that satisfies Poisson's Equation, thus producing a first predictive picture; and</p> <p>a combine program code to combine the first predictive picture and the decoded residual picture to generate a decoded moving-picture signal, the decoded moving-picture signal</p>				

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>for at least one picture being stored as a reference picture.</p> <p><u>'025 Claim 9</u></p> <p>A moving-picture coding method to be implemented in a moving-picture coding apparatus comprising the steps of:</p> <p>producing and encoding a residual picture that is a residual signal between a picture to be coded that is an input moving-picture video signal to be subjected to coding and a predictive picture produced from a reference picture that is a local decoded video signal for each of a plurality of rectangular zones, each composed of a specific number of pixels, into which a video area of the moving-picture video signal is divided;</p> <p>obtaining a boundary condition of each of a plurality of borders between the rectangular zones and another plurality of</p>				

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>rectangular zones adjacent to the rectangular zones, finding a border, of the reference picture, having a boundary condition that matches the boundary condition, by motion-vector search in the reference picture, and generating border motion-vector data that is data on a motion vector from a border of the rectangular zone in the picture to be coded to the border of the reference picture thus found;</p> <p>defining a boundary condition of a border that corresponds to the border motion vector data, from the reference picture based on the border motion-vector data, and generating an estimated video signal in each rectangular zone in the picture to be coded, that satisfies Poisson's Equation, thus producing a first predictive picture;</p> <p>producing a first residual picture from a difference between the</p>				

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>picture to be coded and the first predictive picture;</p> <p>performing orthogonal transform to the first residual picture, thus generating orthogonal-transform coefficients data;</p> <p>performing quantization to the orthogonal-transform coefficients data based on a specific quantization parameter, thus generating post-quantization data;</p> <p>performing inverse-quantization to the post-quantization data based on a specific quantization parameter, thus generating post-inverse-quantization data; and</p> <p>performing inverse-orthogonal transform to the post-inverse-quantization data, thus producing a decoded residual picture.</p> <p><u>'025 Patent, Claim 10</u></p>				

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>A moving-picture decoding method to be implemented in a moving-picture coding apparatus comprising the steps of:</p> <p>demultiplexing coded data from an input signal based on a specific syntax structure, the input signal being obtained by multiplexing a coded bitstream obtained by predictive coding, border motion-vector data and post-quantization data obtained by quantization in the predictive coding, the coded bitstream obtained by producing and encoding a residual picture that is a residual signal between a picture to be coded that is an input moving-picture video signal to be subjected to coding and a predictive picture produced from a reference picture that is a local decoded video signal for each of a plurality of rectangular zones, each composed of a specific number of pixels, into which a video area of the moving-picture</p>				

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	<p>video signal is divided, obtaining a boundary condition of each of a plurality of borders between the rectangular zones and another plurality of rectangular zones adjacent to the rectangular zones, finding a border, of the reference picture, having a boundary condition that matches the boundary condition, by motion-vector search in the reference picture, and generating the border motion-vector data that is data on a motion vector from a border of the rectangular zone in the picture to be coded to the border of the reference picture thus found, defining a boundary condition of a border that corresponds to the border motion vector data, from the reference picture based on the border motion-vector data, and generating an estimated video signal in each rectangular zone in the picture to be coded, that satisfies Poisson's Equation, thus producing the predictive picture;</p>				

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>performing entropy decoding to the data thus demultiplexed to generate, at least, the post-quantization data, the border motion-vector data and parameter data required for constructing a specific syntax structure;</p> <p>performing inverse-quantization to the post-quantization data to generate post-quantization orthogonal transform coefficients data;</p> <p>performing inverse-orthogonal transform to the post-quantization orthogonal transform coefficients data to produce a decoded residual picture of one video area;</p> <p>defining a boundary condition of a border that corresponds to the border motion vector data, from the reference picture based on the border motion-vector data, and generate an estimated video signal in each rectangular zone in the picture to be coded,</p>				

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>that satisfies Poisson's Equation, thus producing a first predictive picture;</p> <p>combining the first predictive picture and the decoded residual picture to generate a decoded moving-picture signal; and</p> <p>storing the decoded moving-picture signal for at least one picture as a reference picture.</p>				
5.	<p><u>'025 Patent, Claim 6</u></p> <p>A moving-picture decoding apparatus comprising:</p> <p>a demultiplexer to demultiplex coded data from an input signal based on a specific syntax structure, the input signal being obtained by multiplexing a coded bitstream obtained by predictive coding, border motion-vector data and post-quantization data obtained by quantization in the predictive coding, the coded bitstream</p>	<p>“the input signal being obtained by multiplexing a coded bitstream obtained by predictive coding, border motion-vector data and post-quantization data obtained by quantization in the</p>	[AGREED]	[AGREED]	<p>“the input signal being obtained by multiplexing a coded bitstream, obtained by predictive coding, comprising (1) border motion-vector data and (2) post-quantization data obtained by quantization in the predictive coding”</p>

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>obtained by producing and encoding a residual picture that is a residual signal between a picture to be coded that is an input moving-picture video signal to be subjected to coding and a predictive picture produced from a reference picture that is a local decoded video signal for each of a plurality of rectangular zones, each composed of a specific number of pixels, into which a video area of the moving-picture video signal is divided, obtaining a boundary condition of each of a plurality of borders between the rectangular zones and another plurality of rectangular zones adjacent to the rectangular zones, finding a border, of the reference picture, having a boundary condition that matches the boundary condition, by motion-vector search in the reference picture, and generating the border motion-vector data that is data on a motion vector</p>	<p>predictive coding” '025 Patent, Claims 6-7, 10</p>			

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>from a border of the rectangular zone in the picture to be coded to the border of the reference picture thus found, defining a boundary condition of a border that corresponds to the border motion vector data, from the reference picture based on the border motion-vector data, and generating an estimated video signal in each rectangular zone in the picture to be coded, that satisfies Poisson's Equation, thus producing the predictive picture;</p> <p>an entropy decoder to perform entropy decoding to the data thus demultiplexed to generate, at least, motion-vector data, the post-quantization data, the border motion-vector data and parameter data required for constructing a specific syntax structure;</p> <p>an inverse-quantizer to perform inverse-quantization to the post-quantization data to generate</p>				

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>post-quantization orthogonal transform coefficients data;</p> <p>an inverse-orthogonal transformer to perform inverse-orthogonal transform to the post-quantization orthogonal transform coefficients data to produce a decoded residual picture of one video area;</p> <p>a zone-border motion compensator to define a boundary condition of a border that corresponds to the border motion vector data, from the reference picture based on the border motion-vector data, and generate an estimated video signal in each rectangular zone in the picture to be coded, that satisfies Poisson's Equation, thus producing a first predictive picture;</p> <p>a combiner to combine the first predictive picture and the decoded residual picture to generate a decoded moving-picture signal;</p>				

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>a memory to store the decoded moving-picture signal for at least one picture as a reference picture;</p> <p>a motion compensator to specify a corresponding rectangular zone in the reference picture based on the motion-vector data, thus generating a second predictive picture;</p> <p>a selector to select either the first predictive picture or the second predictive picture and supply the predictive picture thus selected to the combiner; and</p> <p>a decoding controller to receive decoding control data for decoding control from the parameter data and control the selector to switch the predictive picture to be supplied to the combiner between the first and second predictive pictures according to the decoding control data</p> <p><u>'025 Patent, Claim 7</u></p>				

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>A non-transitory computer readable device having stored thereon a computer program comprising a set of instructions when executed by a computer to implement a method for moving-picture decoding, the program comprising:</p> <p>a demultiplex program code to demultiplex coded data from an input signal based on a specific syntax structure, the input signal being obtained by multiplexing a coded bitstream obtained by predictive coding, border motion-vector data and post-quantization data obtained by quantization in the predictive coding, the coded bitstream obtained by producing and encoding a residual picture that is a residual signal between a picture to be coded that is an input moving-picture video signal to be subjected to coding and a predictive picture produced from a reference picture that is a local</p>				

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>decoded video signal for each of a plurality of rectangular zones, each composed of a specific number of pixels, into which a video area of the moving-picture video signal is divided, obtaining a boundary condition of each of a plurality of borders between the rectangular zones and another plurality of rectangular zones adjacent to the rectangular zones, finding a border, of the reference picture, having a boundary condition that matches the boundary condition, by motion-vector search in the reference picture, and generating the border motion-vector data that is data on a motion vector from a border of the rectangular zone in the picture to be coded to the border of the reference picture thus found, defining a boundary condition of a border that corresponds to the border motion vector data, from the reference picture based on the border motion-vector data, and</p>				

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>generating an estimated video signal in each rectangular zone in the picture to be coded, that satisfies Poisson's Equation, thus producing the predictive picture;</p> <p>an entropy decoding program code to perform entropy decoding to the data thus demultiplexed to generate, at least, the post-quantization data, the border motion-vector data and parameter data required for constructing a specific syntax structure;</p> <p>an inverse-quantization program code to perform inverse-quantization to the post-quantization data to generate post-quantization orthogonal transform coefficients data;</p> <p>an inverse-orthogonal transform program code to perform inverse-orthogonal transform to the post-quantization orthogonal transform coefficients data to produce a decoded residual picture of one video area;</p>				

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>a zone-border motion compensation program code to define a boundary condition of a border that corresponds to the border motion vector data, from the reference picture based on the border motion-vector data, and generate an estimated video signal in each rectangular zone in the picture to be coded, that satisfies Poisson's Equation, thus producing a first predictive picture; and</p> <p>a combine program code to combine the first predictive picture and the decoded residual picture to generate a decoded moving-picture signal, the decoded moving-picture signal for at least one picture being stored as a reference picture.</p> <p><u>'025 Patent, Claim 10</u></p> <p>A moving-picture decoding method to be implemented in a</p>				

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>moving-picture coding apparatus comprising the steps of:</p> <p>demultiplexing coded data from an input signal based on a specific syntax structure, the input signal being obtained by multiplexing a coded bitstream obtained by predictive coding, border motion-vector data and post-quantization data obtained by quantization in the predictive coding, the coded bitstream obtained by producing and encoding a residual picture that is a residual signal between a picture to be coded that is an input moving-picture video signal to be subjected to coding and a predictive picture produced from a reference picture that is a local decoded video signal for each of a plurality of rectangular zones, each composed of a specific number of pixels, into which a video area of the moving-picture video signal is divided, obtaining a boundary condition</p>				

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	<p>of each of a plurality of borders between the rectangular zones and another plurality of rectangular zones adjacent to the rectangular zones, finding a border, of the reference picture, having a boundary condition that matches the boundary condition, by motion-vector search in the reference picture, and generating the border motion-vector data that is data on a motion vector from a border of the rectangular zone in the picture to be coded to the border of the reference picture thus found, defining a boundary condition of a border that corresponds to the border motion vector data, from the reference picture based on the border motion-vector data, and generating an estimated video signal in each rectangular zone in the picture to be coded, that satisfies Poisson's Equation, thus producing the predictive picture; performing entropy decoding to the data thus demultiplexed to</p>				

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>generate, at least, the post-quantization data, the border motion-vector data and parameter data required for constructing a specific syntax structure;</p> <p>performing inverse-quantization to the post-quantization data to generate post-quantization orthogonal transform coefficients data;</p> <p>performing inverse-orthogonal transform to the post-quantization orthogonal transform coefficients data to produce a decoded residual picture of one video area;</p> <p>defining a boundary condition of a border that corresponds to the border motion vector data, from the reference picture based on the border motion-vector data, and generate an estimated video signal in each rectangular zone in the picture to be coded, that satisfies Poisson's Equation, thus</p>				

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	producing a first predictive picture; combining the first predictive picture and the decoded residual picture to generate a decoded moving-picture signal; and storing the decoded moving-picture signal for at least one picture as a reference picture.				
6.	<u>'303 Patent, Claim 1</u> A video image coding data receiver comprising: a processor; and a memory unit having instructions stored which, when executed by the processor, cause the processor to perform operations comprising: receiving basic video image coding data ; decoding the received basic video image coding data so as to reproduce a video image;	"basic video image coding data" '303 Patent, Claims 1-2	[AGREED]	[AGREED]	"overview video image coding data"

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>receiving supplementary video image coding data including a supplementary hierarchical picture whose coding order and display order are earlier by a factor of a group of pictures including an intra coded picture and a plurality of inter prediction coded pictures than those of a basic hierarchical picture included in the basic video image coding data, a basic hierarchy and a supplementary hierarchy being set in units of the group of pictures;</p> <p>acquiring basic video image coding data received before supplementary video image coding data that has been received at the moment; and</p> <p>reconstructing video image coding data from the basic video image coding data and the supplementary video image coding data.</p>				

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p><u>'303 Patent, Claim 2</u></p> <p>A video image coding data transmission and reception system comprising:</p> <p>a video image coding data transmitter that codes and transmits a video image; and</p> <p>a video image coding data receiver that receives and reconstructs video image coding data,</p> <p>wherein the video image coding data transmitter includes:</p> <p>a first processor; and</p> <p>a first memory unit having instructions stored which, when executed by the first processor, cause the first processor to perform operations comprising:</p> <p>acquiring the transmission rate of a network;</p> <p>setting a transmission structure including a basic hierarchy and a supplementary hierarchy, the basic hierarchy and the</p>				

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>supplementary hierarchy being set in units of a group of pictures including an intra coded picture and a plurality of inter prediction coded pictures;</p> <p>transmitting basic video image coding data of the basic hierarchy, wherein the first memory unit is further configured to store supplementary video image coding data of the supplementary hierarchy;</p> <p>transmitting the supplementary video image coding data stored in the memory unit; and</p> <p>controlling the transmission of the supplementary video image coding data according to the transmission rate, and</p> <p>wherein the video image coding data receiver includes:</p> <p>a second processor; and</p> <p>a second memory unit having instructions stored which, when executed by the second</p>				

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>processor, cause the second processor to perform operations comprising:</p> <p>receiving the basic video image coding data;</p> <p>decoding the received basic video image coding data so as to reproduce a video image;</p> <p>receiving the supplementary video image coding data including a supplementary hierarchical picture having coding order and display order that are earlier by a factor of the group of pictures than those of a basic hierarchical picture included in the basic video image coding data;</p> <p>acquiring basic video image coding data received before supplementary video image coding data that is currently received; and</p> <p>reconstructing video image coding data from the basic video image coding data and the</p>				

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	supplementary video image coding data.				
7.	<p><u>'303 Patent, Claim 1</u> A video image coding data receiver comprising: a processor; and a memory unit having instructions stored which, when executed by the processor, cause the processor to perform operations comprising: receiving basic video image coding data; decoding the received basic video image coding data so as to reproduce a video image; receiving supplementary video image coding data including a supplementary hierarchical picture whose coding order and display order are earlier by a factor of a group of pictures</p>	<p>“supplementary video image coding data” '303 Patent, Claims 1-2</p>	[AGREED]	[AGREED]	“extension of the basic video image coding data”

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>including an intra coded picture and a plurality of inter prediction coded pictures than those of a basic hierarchical picture included in the basic video image coding data, a basic hierarchy and a supplementary hierarchy being set in units of the group of pictures;</p> <p>acquiring basic video image coding data received before supplementary video image coding data that has been received at the moment; and</p> <p>reconstructing video image coding data from the basic video image coding data and the supplementary video image coding data.</p> <p><u>'303 Patent, Claim 2</u></p> <p>A video image coding data transmission and reception system comprising:</p>				

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>a video image coding data transmitter that codes and transmits a video image; and</p> <p>a video image coding data receiver that receives and reconstructs video image coding data,</p> <p>wherein the video image coding data transmitter includes:</p> <p>a first processor; and</p> <p>a first memory unit having instructions stored which, when executed by the first processor, cause the first processor to perform operations comprising:</p> <p>acquiring the transmission rate of a network;</p> <p>setting a transmission structure including a basic hierarchy and a supplementary hierarchy, the basic hierarchy and the supplementary hierarchy being set in units of a group of pictures including an intra coded picture</p>				

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>and a plurality of inter prediction coded pictures;</p> <p>transmitting basic video image coding data of the basic hierarchy, wherein the first memory unit is further configured to store supplementary video image coding data of the supplementary hierarchy;</p> <p>transmitting the supplementary video image coding data stored in the memory unit; and</p> <p>controlling the transmission of the supplementary video image coding data according to the transmission rate, and</p> <p>wherein the video image coding data receiver includes:</p> <p>a second processor; and</p> <p>a second memory unit having instructions stored which, when executed by the second processor, cause the second</p>				

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>processor to perform operations comprising:</p> <p>receiving the basic video image coding data;</p> <p>decoding the received basic video image coding data so as to reproduce a video image;</p> <p>receiving the supplementary video image coding data including a supplementary hierarchical picture having coding order and display order that are earlier by a factor of the group of pictures than those of a basic hierarchical picture included in the basic video image coding data;</p> <p>acquiring basic video image coding data received before supplementary video image coding data that is currently received; and</p> <p>reconstructing video image coding data from the basic video image coding data and the</p>				

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	supplementary video image coding data.				
8.	<p><u>'303 Patent, Claim 1</u> A video image coding data receiver comprising: a processor; and a memory unit having instructions stored which, when executed by the processor, cause the processor to perform operations comprising: receiving basic video image coding data; decoding the received basic video image coding data so as to reproduce a video image; receiving supplementary video image coding data including a supplementary hierarchical picture whose coding order and display order are earlier by a factor of a group of pictures including an intra coded picture and a plurality of inter prediction coded pictures than those of a</p>	<p>“coding order and display order are earlier by a factor of a group of pictures” / “coding order and display order are earlier by a factor of the group of pictures” '303 Patent, Claims 1-2</p>	<p>“coding order and display order are earlier by one or more groups of pictures”</p>	<p>Indefinite</p>	

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>basic hierarchical picture included in the basic video image coding data, a basic hierarchy and a supplementary hierarchy being set in units of the group of pictures;</p> <p>acquiring basic video image coding data received before supplementary video image coding data that has been received at the moment; and</p> <p>reconstructing video image coding data from the basic video image coding data and the supplementary video image coding data.</p> <p><u>'303 Patent, Claim 2</u></p> <p>A video image coding data transmission and reception system comprising:</p> <p>a video image coding data transmitter that codes and transmits a video image; and</p>				

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>a video image coding data receiver that receives and reconstructs video image coding data,</p> <p>wherein the video image coding data transmitter includes:</p> <p>a first processor; and</p> <p>a first memory unit having instructions stored which, when executed by the first processor, cause the first processor to perform operations comprising:</p> <p>acquiring the transmission rate of a network;</p> <p>setting a transmission structure including a basic hierarchy and a supplementary hierarchy, the basic hierarchy and the supplementary hierarchy being set in units of a group of pictures including an intra coded picture and a plurality of inter prediction coded pictures;</p> <p>transmitting basic video image coding data of the basic hierarchy, wherein the first</p>				

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>memory unit is further configured to store supplementary video image coding data of the supplementary hierarchy;</p> <p>transmitting the supplementary video image coding data stored in the memory unit; and</p> <p>controlling the transmission of the supplementary video image coding data according to the transmission rate, and</p> <p>wherein the video image coding data receiver includes:</p> <p>a second processor; and</p> <p>a second memory unit having instructions stored which, when executed by the second processor, cause the second processor to perform operations comprising:</p> <p>receiving the basic video image coding data;</p>				

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>decoding the received basic video image coding data so as to reproduce a video image;</p> <p>receiving the supplementary video image coding data including a supplementary hierarchical picture having coding order and display order that are earlier by a factor of the group of pictures than those of a basic hierarchical picture included in the basic video image coding data;</p> <p>acquiring basic video image coding data received before supplementary video image coding data that is currently received; and</p> <p>reconstructing video image coding data from the basic video image coding data and the supplementary video image coding data.</p>				

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
9.	<p><u>'303 Patent, Claim 1</u></p> <p>A video image coding data receiver comprising:</p> <p>a processor; and</p> <p>a memory unit having instructions stored which, when executed by the processor, cause the processor to perform operations comprising:</p> <p>receiving basic video image coding data;</p> <p>decoding the received basic video image coding data so as to reproduce a video image;</p> <p>receiving supplementary video image coding data including a supplementary hierarchical picture whose coding order and display order are earlier by a factor of a group of pictures including an intra coded picture and a plurality of inter prediction coded pictures than those of a basic hierarchical picture included in the basic video</p>	<p>“reconstructing video image coding data from the basic video image coding data and the supplementary video image coding data”</p> <p>'303 Patent, Claims 1-2</p>	<p>“rearranging basic video image coding data with supplementary video image coding data”</p>	<p>Indefinite</p> <p>Alternatively, “rearranging basic video image coding data with supplementary video image coding data so as to reconstruct video image coding data”</p>	

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	<p>image coding data, a basic hierarchy and a supplementary hierarchy being set in units of the group of pictures;</p> <p>acquiring basic video image coding data received before supplementary video image coding data that has been received at the moment; and</p> <p>reconstructing video image coding data from the basic video image coding data and the supplementary video image coding data.</p> <p><u>'303 Patent, Claim 2</u></p> <p>A video image coding data transmission and reception system comprising:</p> <p>a video image coding data transmitter that codes and transmits a video image; and</p> <p>a video image coding data receiver that receives and</p>				

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	<p>reconstructs video image coding data,</p> <p>wherein the video image coding data transmitter includes:</p> <p>a first processor; and</p> <p>a first memory unit having instructions stored which, when executed by the first processor, cause the first processor to perform operations comprising:</p> <p>acquiring the transmission rate of a network;</p> <p>setting a transmission structure including a basic hierarchy and a supplementary hierarchy, the basic hierarchy and the supplementary hierarchy being set in units of a group of pictures including an intra coded picture and a plurality of inter prediction coded pictures;</p> <p>transmitting basic video image coding data of the basic hierarchy, wherein the first memory unit is further configured to store</p>				

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	<p>supplementary video image coding data of the supplementary hierarchy;</p> <p>transmitting the supplementary video image coding data stored in the memory unit; and</p> <p>controlling the transmission of the supplementary video image coding data according to the transmission rate, and</p> <p>wherein the video image coding data receiver includes:</p> <p>a second processor; and</p> <p>a second memory unit having instructions stored which, when executed by the second processor, cause the second processor to perform operations comprising:</p> <p>receiving the basic video image coding data;</p> <p>decoding the received basic video image coding data so as to reproduce a video image;</p>				

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	<p>receiving the supplementary video image coding data including a supplementary hierarchical picture having coding order and display order that are earlier by a factor of the group of pictures than those of a basic hierarchical picture included in the basic video image coding data;</p> <p>acquiring basic video image coding data received before supplementary video image coding data that is currently received; and</p> <p>reconstructing video image coding data from the basic video image coding data and the supplementary video image coding data</p>				
10.	<p><u>'995 Patent, Claim 1</u> A moving picture encoding system comprising:</p>	"standard resolution"	[AGREED]	[AGREED]	"the spatial resolution of a picture input into an

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	<p>a first encoder configured to work on a subsequence of a sequence of moving pictures with a standard resolution to implement a first combination of processes for an encoding and a decoding to create a first sequence of encoded bits and a set of decoded pictures with the standard resolution;</p> <p>a first super-resolution enlarger configured to work on the subsequence of the sequence of moving pictures with the standard resolution to implement an interpolation of pixels with a first enlargement to create a set of super-resolution enlarged pictures with a first resolution higher than the standard resolution;</p> <p>a first resolution converter configured to work on the set of super-resolution enlarged pictures to implement a process for a first resolution conversion to create a set of super-resolution enlarged and</p>	<p>'995 Patent, Claims 1-3, 8-9</p> <p>'448 Patent, Claims 1-3</p>			<p>encoding system as an encoding target”</p>

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>converted pictures with a standard resolution;</p> <p>a second super-resolution enlarger configured to acquire the set of decoded pictures with the standard resolution from the first encoder to work on the sequence of decoded pictures to implement an interpolation of pixels with a second enlargement to create a set of super-resolution enlarged decoded pictures with a second resolution higher than the standard resolution;</p> <p>a second resolution converter configured to work on the set of super-resolution enlarged decoded pictures to implement a process for a second resolution conversion to create a set of super-resolution enlarged and converted decoded pictures with a standard resolution; and</p> <p>a second encoder configured to:</p> <p>have the set of super-resolution enlarged and converted pictures</p>				

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	<p>from the first resolution converter as a set of encoding target pictures, the set of decoded pictures from the first encoder as a set of first reference pictures, and the set of super-resolution enlarged and converted decoded pictures from the second resolution converter as a set of second reference pictures,</p> <p>select one of the set of first reference pictures and the set of second reference pictures to create reference picture selection information to identify the set of selected reference pictures to implement a second process for encoding to create a second sequence of encoded bits based on the set of encoding target pictures and the set of selected reference pictures, and</p> <p>implement a third process for encoding for the reference picture selection information to create a sequence of encoded</p>				

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	<p>bits of the reference picture selection information,</p> <p>wherein the set of encoding target pictures, the set of first reference pictures, and the set of second reference pictures have the same value in spatial resolution.</p> <p><u>'995 Patent, Claim 2</u></p> <p>A moving picture decoding system comprising:</p> <p>a demultiplexer configured to work on a sequence of input encoded bits to implement a process for a prescribed demultiplexing to output at least a first and a second sequence of encoded bits;</p> <p>a first decoder configured to acquire the first sequence of encoded bits obtained with a standard resolution at the demultiplexer to implement thereon a process for a prescribed first decoding to</p>				

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	<p>create a sequence of decoded pictures with a standard resolution;</p> <p>a first super-resolution enlarger configured to acquire the sequence of decoded pictures created with a standard resolution at the first decoder to work on the sequence of decoded pictures to implement an interpolation of pixels with a first enlargement to create a sequence of super-resolution enlarged decoded pictures with a first resolution higher than a standard resolution;</p> <p>a first resolution converter configured to acquire the sequence of super-resolution enlarged decoded pictures created at the first super-resolution enlarger to work on the sequence of super-resolution enlarged decoded pictures to implement a process for a prescribed resolution conversion to create a sequence of super-</p>				

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>resolution decoded pictures with a standard resolution;</p> <p>a second decoder configured to acquire the second sequence of encoded bits obtained with a standard resolution at the demultiplexer as a set of decoding targets, the sequence of decoded pictures created with the standard resolution at the first decoder as a set of first reference pictures, and the sequence of super-resolution decoded pictures created with the standard resolution at the first resolution converter as a set of second reference pictures, and select one of the set of first reference pictures and the set of second reference pictures based on reference picture selection information to implement a combination of processes for a prescribed prediction and a prescribed second decoding being a decoding with an extension of the standard resolution, to create a sequence</p>				

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>of super-resolution pictures decoded with the standard resolution based on the set of decoding targets and the set of selected reference pictures; and</p> <p>a second resolution converter configured to acquire the sequence of decoded pictures with the standard resolution from the first decoder to work on the sequence of decoded pictures to implement an interpolation of pixels with the second enlargement to create a sequence of enlarged decoded pictures with a high resolution as a second resolution higher than the standard resolution,</p> <p>wherein the set of decoding targets, the set of first reference pictures, and the set of second reference pictures have the same value in spatial resolution.</p> <p><u>'995 Patent, Claim 3</u></p>				

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>A moving picture decoding method comprising:</p> <p>a step of implementing a process for a prescribed demultiplexing on a sequence of input encoded bits, outputting at least a first and a second sequence of encoded bits;</p> <p>a step of acquiring the first sequence of encoded bits obtained with a standard resolution through the process for the prescribed demultiplexing, implementing thereon a process for a prescribed first decoding, creating a sequence of decoded pictures with the standard resolution;</p> <p>a step of acquiring the sequence of decoded pictures created with the standard resolution through the process for the prescribed first decoding, working on the sequence of decoded pictures to implement an interpolation of pixels with a first enlargement,</p>				

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	<p>creating a sequence of super-resolution enlarged decoded pictures with a first resolution higher than the standard resolution;</p> <p>a step of acquiring the sequence of super-resolution enlarged decoded pictures created through the process for the prescribed super-resolution enlargement working on the sequence of super-resolution enlarged decoded pictures to implement a process for a first resolution conversion, creating a sequence of super-resolution decoded pictures with a standard resolution;</p> <p>a step of acquiring the second sequence of encoded bits obtained with a standard resolution through the process for the prescribed demultiplexing as a set of decoding targets, the sequence of decoded pictures created with the standard resolution through the process for the prescribed</p>				

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	<p>first decoding as a set of first reference pictures, and the sequence of super-resolution decoded pictures created with the standard resolution through the process for the prescribed resolution conversion as a set of second reference pictures, and selecting one of the set of first reference pictures and the set of second reference pictures based on reference picture selection information to implement a combination of processes for a prescribed prediction and a prescribed second decoding being a decoding with an extension of the standard resolution, based on the set of decoding targets and the set of selected reference pictures to create a sequence of super-resolution pictures decoded with the standard resolution; and</p> <p>a step of acquiring the sequence of decoded pictures created with the standard resolution through the process for the prescribed</p>				

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	<p>first decoding working on the sequence of decoded pictures to implement an interpolation of pixels with the second enlargement, creating a sequence of enlarged decoded pictures with a high resolution as a second resolution higher than the standard resolution,</p> <p>wherein the set of decoding targets, the set of first reference pictures, and the set of second reference pictures have the same value in spatial resolution.</p> <p><u>'995 Patent, Claim 4</u></p> <p>A recording medium storing a moving picture decoding program comprising a non-transitory computer-readable medium configured to have a computer execute:</p> <p>a step of implementing a process for a prescribed demultiplexing on a sequence of input encoded bits, outputting at least a first</p>				

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	<p>and a second sequence of encoded bits;</p> <p>a step of acquiring the first sequence of encoded bits obtained with a standard resolution through the process for the prescribed demultiplexing, implementing thereon a process for a prescribed first decoding, creating a sequence of decoded pictures with the standard resolution;</p> <p>a step of acquiring the sequence of decoded pictures created with the standard resolution through the process for the prescribed first decoding, working on the sequence of decoded pictures to implement an interpolation of pixels with a first enlargement, creating a sequence of super-resolution enlarged decoded pictures with a first resolution higher than the standard resolution;</p>				

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	<p>a step of acquiring the sequence of super-resolution enlarged decoded pictures created through the process for the prescribed super-resolution enlargement working on the sequence of super-resolution enlarged decoded pictures to implement a process for a first resolution conversion, creating a sequence of super-resolution decoded pictures with a standard resolution;</p> <p>a step of acquiring the second sequence of encoded bits obtained with a standard resolution through the process for the prescribed demultiplexing as a set of decoding targets, the sequence of decoded pictures created with the standard resolution through the process for the prescribed first decoding as a set of first reference pictures, and the sequence of super-resolution decoded pictures created with the standard resolution through</p>				

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	<p>the process for the prescribed resolution conversion as a set of second reference pictures, and selecting one of the set of first reference pictures and the set of second reference pictures based on reference picture selection information to implement a combination of processes for a prescribed prediction and a prescribed second decoding being a decoding with an extension of the standard resolution, based on the set of decoding targets and the set of selected reference pictures to create a sequence of super-resolution pictures decoded with the standard resolution; and</p> <p>a step of acquiring the sequence of decoded pictures created with the standard resolution through the process for the prescribed first decoding, working on the sequence of decoded pictures to implement an interpolation of pixels with the second enlargement creating a sequence</p>				

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	<p>of enlarged decoded pictures with a high resolution as a second resolution higher than the standard resolution,</p> <p>wherein the first resolution is different from the second resolution,</p> <p>wherein the standard resolution of the second sequence of encoded bits is the same as the standard resolution of the super-resolution decoded pictures,</p> <p>and wherein the set of decoding targets, the set of first reference pictures, and the set of second reference pictures have the same value in spatial resolution.</p> <p><u>'995 Patent, Claim 8</u></p> <p>A moving picture encoding method comprising:</p> <p>a step of implementing a first combination of processes for an encoding and a decoding on a</p>				

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	<p>sequence of moving pictures with a standard resolution, creating a first sequence of encoded bits and a set of decoded pictures with the standard resolution;</p> <p>a step of implementing an interpolation of pixels with a first enlargement on the sequence of moving pictures with the standard resolution, creating a set of super-resolution enlarged pictures with a first resolution higher than a standard resolution;</p> <p>a step of implementing a process for a first resolution conversion on the set of super-resolution enlarged pictures, creating a set of super-resolution enlarged and converted pictures with a standard resolution;</p> <p>a step of acquiring the set of decoded pictures with the standard resolution to work on the sequence of decoded pictures to implement an interpolation of</p>				

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	<p>pixels with a second enlargement to create a set of super-resolution enlarged decoded pictures with a second resolution higher than the standard resolution;</p> <p>a step of working on the set of super-resolution enlarged decoded pictures to implement process for a second resolution conversion to create a set of super-resolution enlarged and converted decoded pictures with a standard resolution; and</p> <p>a step of:</p> <p>having the set of super-resolution enlarged and converted pictures as a set of encoding target pictures, the set of decoded pictures as a set of first reference pictures, and the set of super-resolution enlarged and converted decoded pictures as a set of second reference pictures,</p> <p>selecting one of the set of first reference pictures and the set of</p>				

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	<p>second reference pictures to create reference picture selection information to identify the set of selected reference pictures to implement a second process for encoding to create a second sequence of encoded bits based on the set of encoding target pictures and the set of selected reference pictures, and</p> <p>implementing a third process for encoding for the reference picture selection information to create a sequence of encoded bits of the reference picture selection information,</p> <p>wherein the set of encoding target pictures, the set of first reference pictures, and the set of second reference pictures have the same value in spatial resolution.</p> <p><u>'995 Patent, Claim 9</u></p> <p>A recording medium storing a moving picture encoding</p>				

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	<p>program comprising a non-transitory computer-readable medium configured to have a computer execute:</p> <p>a step of implementing a first combination of processes for an encoding and a decoding on a sequence of moving pictures with a standard resolution, creating a first sequence of encoded bits and a set of decoded pictures with the standard resolution;</p> <p>a step of implementing an interpolation of pixels with a first enlargement on the sequence of moving pictures with the standard resolution, creating a set of super-resolution enlarged pictures with a first resolution higher than the standard resolution;</p> <p>a step of implementing process for a first resolution conversion on the set of super-resolution enlarged pictures, creating a set of super-resolution enlarged and</p>				

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	<p>converted pictures with a standard resolution;</p> <p>a step of acquiring the set of decoded pictures with the standard resolution from the first encoder to work on the sequence of decoded pictures to implement an interpolation of pixels with a second enlargement to create a set of super-resolution enlarged decoded pictures with a second resolution higher than the standard resolution;</p> <p>a step of working on the set of super-resolution enlarged decoded pictures to implement a process for a second resolution conversion to create a set of super-resolution enlarged and converted decoded pictures with a standard resolution; and</p> <p>a step of:</p> <p>having the set of super-resolution enlarged and converted pictures as a set of encoding target pictures, the set</p>				

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	<p>of decoded pictures as a set of first reference pictures, and the set of super-resolution enlarged and converted decoded pictures as a set of second reference pictures,</p> <p>selecting one of the set of first reference pictures and the set of second reference pictures to create reference picture selection information to identify the set of selected reference pictures to implement a second process for encoding to create a second sequence of encoded bits based on the set of encoding target pictures and the set of selected reference pictures, and</p> <p>implementing a third process for encoding for the reference picture selection information to create a sequence of encoded bits of the reference picture selection information,</p> <p>wherein the set of encoding target pictures, the set of first reference pictures, and the set of</p>				

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	<p>second reference pictures have the same value in spatial resolution</p> <p><u>'448 Patent, Claim 1</u></p> <p>A moving picture encoding system that makes an encoding of a sequence of moving pictures with a resolution higher than a standard resolution using moving pictures contents which include a sequence of moving pictures with the standard resolution and do not include a sequence of moving pictures with a resolution higher than the standard resolution, the moving picture encoding system comprising:</p> <p>a first encoder configured to work on a sequence of moving pictures with a standard resolution to implement a first combination of processes for an encoding and a decoding to create a first sequence of encoded bits and a set of</p>				

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	<p>decoded pictures with the standard resolution;</p> <p>a first super-resolution enlarger configured to work on the sequence of moving pictures with the standard resolution to implement a process for a first super-resolution enlargement to create a set of super-resolution enlarged pictures with a resolution higher than the standard resolution;</p> <p>a second super-resolution enlarger configured to acquire the set of decoded pictures from the first encoder to implement thereon a process for a second super-resolution enlargement to create a set of super-resolution enlarged decoded pictures with a resolution higher than the standard resolution;</p> <p>a third resolution converter configured to acquire the set of decoded pictures from the first encoder to implement thereon a process for a third resolution</p>				

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	<p>conversion to create a set of resolution converted enlarged decoded pictures with a resolution higher than the standard resolution; and</p> <p>a third encoder configured to have the set of super-resolution enlarged pictures from the first super-resolution enlarger as a set of encoding target pictures, employing the set of super-resolution enlarged decoded pictures from the second super-resolution enlarger and the set of resolution converted enlarged decoded pictures from the third resolution converter as sets of reference pictures, to implement thereon a third combination of processes for a prediction and an encoding to create a third sequence of encoded bits,</p> <p>wherein a spatial resolution of the set of super-resolution enlarged pictures, that of the set of super-resolution enlarged decoded pictures, and that of the set of resolution converted</p>				

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	<p>enlarged decoded pictures are made equal; and</p> <p>wherein the third encoder controls a selection of a set of reference pictures and creates a set of data on the selection of the set of reference pictures to identify a selected set of reference pictures during the process for prediction of the third combination</p> <p><u>'448 Patent, Claim 2</u></p> <p>A moving picture encoding system that makes an encoding of a sequence of moving pictures with a resolution higher than a standard resolution using moving pictures contents which include a sequence of moving pictures with the standard resolution and do not include a sequence of moving pictures with a resolution higher than the standard resolution, the</p>				

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	<p>moving picture encoding system comprising:</p> <p>a first encoder configured to work on a sequence of moving pictures with a standard resolution to implement a first combination of processes for an encoding and a decoding to create a first sequence of encoded bits and a set of decoded pictures with the standard resolution;</p> <p>a first super-resolution enlarger configured to work on the sequence of moving pictures with the standard resolution to implement a process for a first super-resolution enlargement to create a set of super-resolution enlarged pictures with a resolution higher than the standard resolution;</p> <p>a third resolution converter configured to acquire the set of decoded pictures from the first encoder to implement thereon a process for a third resolution</p>				

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	<p>conversion to create a set of resolution converted enlarged decoded pictures with a resolution higher than the standard resolution; and</p> <p>a third encoder configured to have the set of super-resolution enlarged pictures from the first super-resolution enlarger as a set of encoding target pictures, employing the set of resolution converted enlarged decoded pictures from the third resolution converter as a set of reference pictures, to implement thereon a third combination of processes for a prediction and an encoding to create a third sequence of encoded bits,</p> <p>wherein a spatial resolution of the set of super-resolution enlarged pictures, and that of the set of resolution converted enlarged decoded pictures are made equal; and</p> <p>wherein the third encoder controls a selection of a set of</p>				

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	<p>reference pictures and creates a set of data on the selection of the set of reference pictures to identify a selected set of reference pictures during the process for prediction of the third combination</p> <p><u>'448 Patent, Claim 3</u></p> <p>A moving picture encoding system that makes an encoding of a sequence of moving pictures with a resolution higher than a standard resolution using moving pictures contents which include a sequence of moving pictures with the standard resolution and do not include a sequence of moving pictures with a resolution higher than the standard resolution, the moving picture encoding system comprising:</p> <p>a first encoder configured to work on a sequence of moving pictures with a standard resolution to implement a first</p>				

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	<p>combination of processes for an encoding and a decoding to create a first sequence of encoded bits and a set of decoded pictures with the standard resolution;</p> <p>a first super-resolution enlarger configured to work on the sequence of moving pictures with the standard resolution to implement a process for a first super-resolution enlargement to create a set of super-resolution enlarged pictures with a resolution higher than the standard resolution;</p> <p>a second super-resolution enlarger configured to acquire the set of decoded pictures from the first encoder to implement thereon a process for a second super-resolution enlargement to create a set of super-resolution enlarged decoded pictures with a resolution higher than the standard resolution; and</p>				

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>a third encoder configured to have the set of super-resolution enlarged pictures from the first super-resolution enlarger as a set of encoding target pictures, employing the set of super-resolution enlarged decoded pictures from the second super-resolution enlarger as a set of reference pictures, to implement thereon a third combination of processes for a prediction and an encoding to create a third sequence of encoded bits,</p> <p>wherein a spatial resolution of the set of super-resolution enlarged pictures, and that of the set of super-resolution enlarged decoded pictures are made equal; and</p> <p>wherein the third encoder controls a selection of a set of reference pictures and creates a set of data on the selection of the set of reference pictures to identify a selected set of reference pictures during the</p>				

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	process for prediction of the third combination.				
11.	<p><u>'995 Patent, Claim 2</u></p> <p>A moving picture decoding system comprising:</p> <p>a demultiplexer configured to work on a sequence of input encoded bits to implement a process for a prescribed demultiplexing to output at least a first and a second sequence of encoded bits;</p> <p>a first decoder configured to acquire the first sequence of encoded bits obtained with a standard resolution at the demultiplexer to implement thereon a process for a prescribed first decoding to create a sequence of decoded</p>	<p>“decoding with an extension of the standard resolution”</p> <p>'995 Patent, Claims 2-4</p>	[AGREED]	[AGREED]	<p>“decoding with an enhancement layer based on standard resolution reference picture(s)”</p>

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	<p>pictures with a standard resolution;</p> <p>a first super-resolution enlarger configured to acquire the sequence of decoded pictures created with a standard resolution at the first decoder to work on the sequence of decoded pictures to implement an interpolation of pixels with a first enlargement to create a sequence of super-resolution enlarged decoded pictures with a first resolution higher than a standard resolution;</p> <p>a first resolution converter configured to acquire the sequence of super-resolution enlarged decoded pictures created at the first super-resolution enlarger to work on the sequence of super-resolution enlarged decoded pictures to implement a process for a prescribed resolution conversion to create a sequence of super-</p>				

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	<p>resolution decoded pictures with a standard resolution;</p> <p>a second decoder configured to acquire the second sequence of encoded bits obtained with a standard resolution at the demultiplexer as a set of decoding targets, the sequence of decoded pictures created with the standard resolution at the first decoder as a set of first reference pictures, and the sequence of super-resolution decoded pictures created with the standard resolution at the first resolution converter as a set of second reference pictures, and select one of the set of first reference pictures and the set of second reference pictures based on reference picture selection information to implement a combination of processes for a prescribed prediction and a prescribed second decoding being a decoding with an extension of the standard resolution, to create a sequence</p>				

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	<p>of super-resolution pictures decoded with the standard resolution based on the set of decoding targets and the set of selected reference pictures; and</p> <p>a second resolution converter configured to acquire the sequence of decoded pictures with the standard resolution from the first decoder to work on the sequence of decoded pictures to implement an interpolation of pixels with the second enlargement to create a sequence of enlarged decoded pictures with a high resolution as a second resolution higher than the standard resolution,</p> <p>wherein the set of decoding targets, the set of first reference pictures, and the set of second reference pictures have the same value in spatial resolution.</p> <p><u>'995 Patent, Claim 3</u></p>				

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	<p>A moving picture decoding method comprising:</p> <p>a step of implementing a process for a prescribed demultiplexing on a sequence of input encoded bits, outputting at least a first and a second sequence of encoded bits;</p> <p>a step of acquiring the first sequence of encoded bits obtained with a standard resolution through the process for the prescribed demultiplexing, implementing thereon a process for a prescribed first decoding, creating a sequence of decoded pictures with the standard resolution;</p> <p>a step of acquiring the sequence of decoded pictures created with the standard resolution through the process for the prescribed first decoding, working on the sequence of decoded pictures to implement an interpolation of pixels with a first enlargement,</p>				

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	<p>creating a sequence of super-resolution enlarged decoded pictures with a first resolution higher than the standard resolution;</p> <p>a step of acquiring the sequence of super-resolution enlarged decoded pictures created through the process for the prescribed super-resolution enlargement working on the sequence of super-resolution enlarged decoded pictures to implement a process for a first resolution conversion, creating a sequence of super-resolution decoded pictures with a standard resolution;</p> <p>a step of acquiring the second sequence of encoded bits obtained with a standard resolution through the process for the prescribed demultiplexing as a set of decoding targets, the sequence of decoded pictures created with the standard resolution through the process for the prescribed</p>				

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>first decoding as a set of first reference pictures, and the sequence of super-resolution decoded pictures created with the standard resolution through the process for the prescribed resolution conversion as a set of second reference pictures, and selecting one of the set of first reference pictures and the set of second reference pictures based on reference picture selection information to implement a combination of processes for a prescribed prediction and a prescribed second decoding being a decoding with an extension of the standard resolution, based on the set of decoding targets and the set of selected reference pictures to create a sequence of super-resolution pictures decoded with the standard resolution; and</p> <p>a step of acquiring the sequence of decoded pictures created with the standard resolution through the process for the prescribed</p>				

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>first decoding working on the sequence of decoded pictures to implement an interpolation of pixels with the second enlargement, creating a sequence of enlarged decoded pictures with a high resolution as a second resolution higher than the standard resolution,</p> <p>wherein the set of decoding targets, the set of first reference pictures, and the set of second reference pictures have the same value in spatial resolution.</p> <p><u>'995 Patent, Claim 4</u></p> <p>A recording medium storing a moving picture decoding program comprising a non-transitory computer-readable medium configured to have a computer execute:</p> <p>a step of implementing a process for a prescribed demultiplexing on a sequence of input encoded bits, outputting at least a first</p>				

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>and a second sequence of encoded bits;</p> <p>a step of acquiring the first sequence of encoded bits obtained with a standard resolution through the process for the prescribed demultiplexing, implementing thereon a process for a prescribed first decoding, creating a sequence of decoded pictures with the standard resolution;</p> <p>a step of acquiring the sequence of decoded pictures created with the standard resolution through the process for the prescribed first decoding, working on the sequence of decoded pictures to implement an interpolation of pixels with a first enlargement, creating a sequence of super-resolution enlarged decoded pictures with a first resolution higher than the standard resolution;</p>				

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>a step of acquiring the sequence of super-resolution enlarged decoded pictures created through the process for the prescribed super-resolution enlargement working on the sequence of super-resolution enlarged decoded pictures to implement a process for a first resolution conversion, creating a sequence of super-resolution decoded pictures with a standard resolution;</p> <p>a step of acquiring the second sequence of encoded bits obtained with a standard resolution through the process for the prescribed demultiplexing as a set of decoding targets, the sequence of decoded pictures created with the standard resolution through the process for the prescribed first decoding as a set of first reference pictures, and the sequence of super-resolution decoded pictures created with the standard resolution through</p>				

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>the process for the prescribed resolution conversion as a set of second reference pictures, and selecting one of the set of first reference pictures and the set of second reference pictures based on reference picture selection information to implement a combination of processes for a prescribed prediction and a prescribed second decoding being a decoding with an extension of the standard resolution, based on the set of decoding targets and the set of selected reference pictures to create a sequence of super-resolution pictures decoded with the standard resolution; and</p> <p>a step of acquiring the sequence of decoded pictures created with the standard resolution through the process for the prescribed first decoding, working on the sequence of decoded pictures to implement an interpolation of pixels with the second enlargement creating a sequence</p>				

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>of enlarged decoded pictures with a high resolution as a second resolution higher than the standard resolution,</p> <p>wherein the first resolution is different from the second resolution,</p> <p>wherein the standard resolution of the second sequence of encoded bits is the same as the standard resolution of the super-resolution decoded pictures,</p> <p>and wherein the set of decoding targets, the set of first reference pictures, and the set of second reference pictures have the same value in spatial resolution.</p>				
12.	<p><u>'448 Patent, Claim 1</u></p> <p>A moving picture encoding system that makes an encoding of a sequence of moving pictures with a resolution higher than a standard</p>	<p>“A moving picture encoding system that makes an encoding of a</p>	[AGREED]	[AGREED]	Preamble is limiting.

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>resolution using moving pictures contents which include a sequence of moving pictures with the standard resolution and do not include a sequence of moving pictures with a resolution higher than the standard resolution, the moving picture encoding system comprising:</p> <p>a first encoder configured to work on a sequence of moving pictures with a standard resolution to implement a first combination of processes for an encoding and a decoding to create a first sequence of encoded bits and a set of decoded pictures with the standard resolution;</p> <p>a first super-resolution enlarger configured to work on the sequence of moving pictures with the standard resolution to implement a process for a first super-resolution enlargement to create a set of super-resolution enlarged pictures with a</p>	<p>sequence of moving pictures with a resolution higher than a standard resolution using moving pictures contents which include a sequence of moving pictures with the standard resolution and do not include a sequence of moving pictures with a resolution higher than the standard resolution, the moving picture encoding system comprising”</p>			

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>resolution higher than the standard resolution;</p> <p>a second super-resolution enlarger configured to acquire the set of decoded pictures from the first encoder to implement thereon a process for a second super-resolution enlargement to create a set of super-resolution enlarged decoded pictures with a resolution higher than the standard resolution;</p> <p>a third resolution converter configured to acquire the set of decoded pictures from the first encoder to implement thereon a process for a third resolution conversion to create a set of resolution converted enlarged decoded pictures with a resolution higher than the standard resolution; and</p> <p>a third encoder configured to have the set of super-resolution enlarged pictures from the first super-resolution enlarger as a set of encoding target pictures,</p>	<p>'448 Patent, Claims 1-3</p>			

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>employing the set of super-resolution enlarged decoded pictures from the second super-resolution enlarger and the set of resolution converted enlarged decoded pictures from the third resolution converter as sets of reference pictures, to implement thereon a third combination of processes for a prediction and an encoding to create a third sequence of encoded bits,</p> <p>wherein a spatial resolution of the set of super-resolution enlarged pictures, that of the set of super-resolution enlarged decoded pictures, and that of the set of resolution converted enlarged decoded pictures are made equal; and</p> <p>wherein the third encoder controls a selection of a set of reference pictures and creates a set of data on the selection of the set of reference pictures to identify a selected set of reference pictures during the</p>				

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>process for prediction of the third combination.</p> <p><u>'448 Patent, Claim 2</u></p> <p>A moving picture encoding system that makes an encoding of a sequence of moving pictures with a resolution higher than a standard resolution using moving pictures contents which include a sequence of moving pictures with the standard resolution and do not include a sequence of moving pictures with a resolution higher than the standard resolution, the moving picture encoding system comprising:</p> <p>a first encoder configured to work on a sequence of moving pictures with a standard resolution to implement a first combination of processes for an encoding and a decoding to create a first sequence of encoded bits and a set of</p>				

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>decoded pictures with the standard resolution;</p> <p>a first super-resolution enlarger configured to work on the sequence of moving pictures with the standard resolution to implement a process for a first super-resolution enlargement to create a set of super-resolution enlarged pictures with a resolution higher than the standard resolution;</p> <p>a third resolution converter configured to acquire the set of decoded pictures from the first encoder to implement thereon a process for a third resolution conversion to create a set of resolution converted enlarged decoded pictures with a resolution higher than the standard resolution; and</p> <p>a third encoder configured to have the set of super-resolution enlarged pictures from the first super-resolution enlarger as a set of encoding target pictures,</p>				

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>employing the set of resolution converted enlarged decoded pictures from the third resolution converter as a set of reference pictures, to implement thereon a third combination of processes for a prediction and an encoding to create a third sequence of encoded bits,</p> <p>wherein a spatial resolution of the set of super-resolution enlarged pictures, and that of the set of resolution converted enlarged decoded pictures are made equal; and</p> <p>wherein the third encoder controls a selection of a set of reference pictures and creates a set of data on the selection of the set of reference pictures to identify a selected set of reference pictures during the process for prediction of the third combination.</p> <p><u>'448 Patent, Claim 3</u></p>				

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>A moving picture encoding system that makes an encoding of a sequence of moving pictures with a resolution higher than a standard resolution using moving pictures contents which include a sequence of moving pictures with the standard resolution and do not include a sequence of moving pictures with a resolution higher than the standard resolution, the moving picture encoding system comprising:</p> <p>a first encoder configured to work on a sequence of moving pictures with a standard resolution to implement a first combination of processes for an encoding and a decoding to create a first sequence of encoded bits and a set of decoded pictures with the standard resolution;</p> <p>a first super-resolution enlarger configured to work on the sequence of moving pictures</p>				

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>with the standard resolution to implement a process for a first super-resolution enlargement to create a set of super-resolution enlarged pictures with a resolution higher than the standard resolution;</p> <p>a second super-resolution enlarger configured to acquire the set of decoded pictures from the first encoder to implement thereon a process for a second super-resolution enlargement to create a set of super-resolution enlarged decoded pictures with a resolution higher than the standard resolution; and</p> <p>a third encoder configured to have the set of super-resolution enlarged pictures from the first super-resolution enlarger as a set of encoding target pictures, employing the set of super-resolution enlarged decoded pictures from the second super-resolution enlarger as a set of reference pictures, to implement thereon a third combination of</p>				

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>processes for a prediction and an encoding to create a third sequence of encoded bits,</p> <p>wherein a spatial resolution of the set of super-resolution enlarged pictures, and that of the set of super-resolution enlarged decoded pictures are made equal; and</p> <p>wherein the third encoder controls a selection of a set of reference pictures and creates a set of data on the selection of the set of reference pictures to identify a selected set of reference pictures during the process for prediction of the third combination.</p>				
13.	<p><u>'101 Patent, Claim 1</u></p> <p>A server device for media, the server device for media comprising:</p>	<p>“transfer” / “transferring”</p> <p>'101 Patent,</p>	<p>Plain and ordinary meaning</p>	<p>“to move data from one place to another”</p>	

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>an internal storage device for storing digital contents, wherein the server device for media responds to a data transmission request from a network player by stream-delivering corresponding data in corresponding digital contents from the internal storage device to the network player during connection to a network;</p> <p>a transfer control unit adapted to transfer and store part of held digital contents in the internal storage device to a network storage device, wherein the network storage device is connected to the network and is capable of storing data, and wherein said transfer control unit does not transfer, from the internal storage device to the network storage device, the digital contents that cannot be recovered if a network failure occurs during the transferring of the digital contents from the</p>	<p>Claims 1, 4, 7</p>			

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>internal storage device to the network storage device;</p> <p>a list information transmission unit adapted to respond to a list presentation request for the held digital contents of the server device for media from the network player by transmitting list information to the network player, wherein the list information lists the digital contents left in the internal storage device and the digital contents transferred from the internal storage device to the network storage device and stored in the network storage device, and wherein the list information maintains a tree structure of the digital contents in the internal storage device before transferring the digital contents to the network storage device;</p> <p>a search unit adapted to respond to a data transmission request for the held digital contents from the network player by searching for</p>				

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>a location where the held digital contents are currently stored; and</p> <p>a digital contents data transmission processing unit adapted to allow the corresponding data in held digital contents to be stream-delivered from the network storage device to the network player, if the result of search shows the network storage device,</p> <p>wherein the server device for media is a media player.</p> <p><u>'101 Patent, Claim 4</u></p> <p>The server device for media according to claim 1, further comprising</p> <p>a return control unit adapted to cause the digital contents corresponding to a predetermined condition among the digital contents which have been transferred to the network</p>				

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>storage device to be returned from the network storage device to the internal storage device</p> <p><u>'101 Patent, Claim 7</u></p> <p>A method for controlling a server device for media which is equipped with an internal storage device for storing digital contents, the method comprising the steps of:</p> <p>responding to a data transmission request from a network player by stream-delivering corresponding data in corresponding digital contents from the internal storage device to the network player during connection to a network;</p> <p>transferring and storing part of held digital contents in the internal storage device to a network storage device, wherein the network storage device is connected to the network and is capable of storing data, and</p>				

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>wherein the digital contents that cannot be recovered if a network failure occurs during the transferring of the digital contents are not transferred from the internal storage device to the network storage device;</p> <p>responding to a list presentation request for the held digital contents of the server device for media from the network player by transmitting list information to the network player, wherein the list information lists the digital contents left in the internal storage device and the digital contents transferred from the internal storage device to the network storage device and stored in the network storage device, and wherein the list information maintains a tree structure of the digital contents in the internal storage device before transferring the digital contents to the network storage device;</p>				

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>responding to a data transmission request for the held digital contents from the network player by searching for a location where the held digital contents are currently stored; and</p> <p>allowing the corresponding data in held digital contents to be stream-delivered from the network storage device to the network player, if the result of search shows the network storage device,</p> <p>wherein the service device for media is a media player.</p>				
14.	<p><u>'101 Patent, Claim 1</u></p> <p>A server device for media, the server device for media comprising:</p> <p>an internal storage device for storing digital contents, wherein the server device for media</p>	<p>“a transfer control unit adapted to transfer and store part of held digital contents in the internal storage device to a</p>	<p>Subject to 112 p. 6</p> <p>Structure: Software algorithm that performs the steps of:</p> <ul style="list-style-type: none"> • Selecting the digital contents from the held digital contents in the internal 	<p>Governed by 35 U.S.C. § 112, ¶ 6</p> <p>Indefinite due to insufficient corresponding structure (algorithm) in the specification under 35 § 112, ¶¶</p>	

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>responds to a data transmission request from a network player by stream-delivering corresponding data in corresponding digital contents from the internal storage device to the network player during connection to a network;</p> <p>a transfer control unit adapted to transfer and store part of held digital contents in the internal storage device to a network storage device, wherein the network storage device is connected to the network and is capable of storing data, and wherein said transfer control unit does not transfer, from the internal storage device to the network storage device, the digital contents that cannot be recovered if a network failure occurs during the transferring</p>	<p>network storage device, wherein the network storage device is connected to the network and is capable of storing data, and wherein said transfer control unit does not transfer, from the internal storage device to the network storage device, the digital contents that cannot be recovered if a network failure occurs during the transferring of the digital contents from the internal</p>	<p>storage device according to any criteria</p> <ul style="list-style-type: none"> Transferring part of the held digital contents from the internal storage device to the network storage device for any reason <p>'101 Patent, 6:57-7:12.</p> <p>Function: transfer and store part of held digital contents in the internal storage device to a network storage device, and wherein said transfer control unit does not transfer, from the internal storage device to the network storage device, the digital contents that cannot be recovered if a network</p>	<p>2, 6.</p> <p>Function: transfer and store part of held digital contents in the internal storage device to a network storage device, wherein the network storage device is connected to the network and is capable of storing data, and wherein said transfer control unit does not transfer, from the internal storage device to the network storage device, the digital contents that cannot be recovered if a network failure occurs during the transferring of the digital contents from the internal storage device to the</p>	

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>of the digital contents from the internal storage device to the network storage device;</p> <p>a list information transmission unit adapted to respond to a list presentation request for the held digital contents of the server device for media from the network player by transmitting list information to the network player, wherein the list information lists the digital contents left in the internal storage device and the digital contents transferred from the internal storage device to the network storage device and stored in the network storage device, and wherein the list information maintains a tree structure of the digital contents in the internal storage device before transferring the digital</p>	<p>storage device to the network storage device”</p> <p>’101 Patent, Claim 1</p>	<p>failure occurs during the transferring of the digital contents from the internal storage device to the network storage device</p>	<p>network storage device</p> <p>Structure/Algorithm: Insufficient</p>	

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>contents to the network storage device;</p> <p>a search unit adapted to respond to a data transmission request for the held digital contents from the network player by searching for a location where the held digital contents are currently stored;</p> <p>and</p> <p>a digital contents data transmission processing unit adapted to allow the corresponding data in held digital contents to be stream-delivered from the network storage device to the network player, if the result of search shows the network storage device,</p> <p>wherein the server device for media is a media player.</p>				

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
15.	<p><u>'101 Patent, Claim 1</u></p> <p>A server device for media, the server device for media comprising:</p> <p>an internal storage device for storing digital contents, wherein the server device for media responds to a data transmission request from a network player by stream-delivering corresponding data in corresponding digital contents from the internal storage device to the network player during connection to a network;</p> <p>a transfer control unit adapted to transfer and store part of held digital contents in the internal storage device to a network storage device, wherein the network storage device is connected to the network and is capable of storing data, and wherein said transfer control unit does not transfer, from the</p>	<p>“a list information transmission unit adapted to respond to a list presentation request for the held digital contents of the server device for media from the network player by transmitting list information to the network player, wherein the list information lists the digital contents left in the internal storage device and the digital contents</p>	<p>Subject to 112 p. 6</p> <p>Structure: Software algorithm, program, or routine that performs the steps of:</p> <ul style="list-style-type: none"> • Receive a list presentation request; • Transmitting list information to the network player in response to the list presentation request; • If the network storage device is not connected to the network, making the list information for the network player include 	<p>Governed by 35 U.S.C. § 112, ¶ 6</p> <p>Indefinite due to insufficient corresponding structure (algorithm) in the specification under 35 § 112, ¶¶ 2, 6.</p> <p>Function: respond to a list presentation request for the held digital contents of the server device for media from the network player by transmitting list information to the network player, wherein the list information lists the digital contents left in the internal storage device and the digital contents</p>	

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>internal storage device to the network storage device, the digital contents that cannot be recovered if a network failure occurs during the transferring of the digital contents from the internal storage device to the network storage device;</p> <p>a list information transmission unit adapted to respond to a list presentation request for the held digital contents of the server device for media from the network player by transmitting list information to the network player, wherein the list information lists the digital contents left in the internal storage device and the digital contents transferred from the internal storage device to the network storage device and stored in the network storage device, and wherein the list information maintains a tree structure of the digital contents in the internal storage device before</p>	<p>transferred from the internal storage device to the network storage device and stored in the network storage device, and wherein the list information maintains a tree structure of the digital contents in the internal storage device before transferring the digital contents to the network storage device”</p> <p>’101 Patent, Claim 1</p>	<p>predetermined information for allowing the network player to perform a process for expressing the non-connection on its display list; and</p> <ul style="list-style-type: none"> Excluding the digital contents that cannot be played in response to an instruction to play issued from the network player from the list information to be transmitted from the server device for media to the network player so that the digital contents 	<p>transferred from the internal storage device to the network storage device and stored in the network storage device, and wherein the list information maintains a tree structure of the digital contents in the internal storage device before transferring the digital contents to the network storage device</p> <p>Structure/Algorithm: Insufficient</p>	

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>transferring the digital contents to the network storage device;</p> <p>a search unit adapted to respond to a data transmission request for the held digital contents from the network player by searching for a location where the held digital contents are currently stored; and</p> <p>a digital contents data transmission processing unit adapted to allow the corresponding data in held digital contents to be stream-delivered from the network storage device to the network player, if the result of search shows the network storage device,</p> <p>wherein the server device for media is a media player.</p>		<p>are not shown on the display list of the network player.</p> <p>'101 Patent, 8:25-9:25</p> <p>Function: respond to a list presentation request for the held digital contents of the server device for media from the network player by transmitting list information to the network player</p>		

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
16.	<p><u>'101 Patent, Claim 5:</u> The server device for media according to claim 1, wherein said list information transmission unit makes the list information to be transmitted to the network player include information for identifying whether each digital content is currently stored in the internal storage device or the network storage device in the display list of the network player.</p>	<p>“said list information transmission unit makes the list information to be transmitted to the network player include information for identifying whether each digital content is currently stored in the internal storage device or the network storage device in the display list of the network player” '101 Patent, Claim 5</p>	<p>Structure: Software algorithm, program, or routine that performs the steps of:</p> <ul style="list-style-type: none"> • Receive a list presentation request; • Transmitting list information to the network player in response to the list presentation request; • If the network storage device is not connected to the network, making the list information for the network player include predetermined information for 	<p>Governed by 35 U.S.C. § 112, ¶ 6 This term provides additive functionality to the functionality required by the term “a list information transmission unit adapted to respond to a list presentation request for the held digital contents of the server device for media from the network player by transmitting list information to the network player, wherein the list information lists the digital contents left in the internal storage device and the digital contents transferred from the</p>	

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
			<p>allowing the network player to perform a process for expressing the non-connection on its display list; and</p> <ul style="list-style-type: none"> Excluding the digital contents that cannot be played in response to an instruction to play issued from the network player from the list information to be transmitted from the server device for media to the network player so that the digital contents are not shown on the display 	<p>internal storage device to the network storage device and stored in the network storage device, and wherein the list information maintains a tree structure of the digital contents in the internal storage device before transferring the digital contents to the network storage device” in claim 1. The corresponding structure for the additive functionality in claim 5 is not sufficient to perform the functionality from claim 1 and at most can perform the additional functionality added by claim 5.</p>	

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
			<p>list of the network player.</p> <p>'101 Patent, 8:25-9:25</p> <p>Function: respond to a list presentation request for the held digital contents of the server device for media from the network player by transmitting list information to the network player</p>	<p>Therefore, claim 5 is indefinite.</p> <p>Function: makes the list information to be transmitted to the network player include information for identifying whether each digital content is currently stored in the internal storage device or the network storage device in the display list of the network player</p> <p>Structure/Algorithm: Algorithm that shows whether the digital contents is stored in the network storage device or internal storage device using different colors, lighter colors, or an asterisk as set forth</p>	

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
				in the '101 patent at 8:35-42 and 9:4-25.	
17.	<p><u>'101 Patent, Claim 1</u> A server device for media, the server device for media comprising:</p> <p>an internal storage device for storing digital contents, wherein the server device for media responds to a data transmission request from a network player by stream-delivering corresponding data in corresponding digital contents from the internal storage device to the network player during connection to a network;</p> <p>a transfer control unit adapted to transfer and store part of held digital contents in the internal storage device to a network storage device, wherein the network storage device is</p>	<p>“a search unit adapted to respond to a data transmission request for the held digital contents from the network player by searching for a location where the held digital contents are currently stored”</p> <p>'101 Patent, Claim 1</p>	<p>Subject to 112 p. 6</p> <p>Structure: Software algorithm, program, or routine that performs the steps of:</p> <ul style="list-style-type: none"> • Receiving a data transmission request for held digital contents from the network player; • Responding to a data transmission request by searching for the location of requested digital contents; and • Transmitting the result of the search to the 	<p>Governed by 35 U.S.C. § 112, ¶ 6</p> <p>Indefinite due to insufficient corresponding structure (algorithm) in the specification under 35 § 112, ¶¶ 2, 6.</p> <p>Function: respond to a data transmission request for the held digital contents from the network player by searching for a location where the held digital contents are currently stored</p> <p>Structure/Algorithm: Insufficient</p>	

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>connected to the network and is capable of storing data, and wherein said transfer control unit does not transfer, from the internal storage device to the network storage device, the digital contents that cannot be recovered if a network failure occurs during the transferring of the digital contents from the internal storage device to the network storage device;</p> <p>a list information transmission unit adapted to respond to a list presentation request for the held digital contents of the server device for media from the network player by transmitting list information to the network player, wherein the list information lists the digital contents left in the internal storage device and the digital contents transferred from the</p>		<p>contents data transmission processing means if the result of the search shows the network storage device.</p> <p>'101 Patent, 6:41-48</p> <p>Function: respond to a data transmission request for the held digital contents from the network player by searching for a location where the held digital contents are currently stored</p>		

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>internal storage device to the network storage device and stored in the network storage device, and wherein the list information maintains a tree structure of the digital contents in the internal storage device before transferring the digital contents to the network storage device;</p> <p>a search unit adapted to respond to a data transmission request for the held digital contents from the network player by searching for a location where the held digital contents are currently stored;</p> <p>and</p> <p>a digital contents data transmission processing unit adapted to allow the corresponding data in held digital contents to be stream-</p>				

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>delivered from the network storage device to the network player, if the result of search shows the network storage device,</p> <p>wherein the server device for media is a media player.</p>				
18.	<p><u>'101 Patent, Claim 1</u></p> <p>A server device for media, the server device for media comprising:</p> <p>an internal storage device for storing digital contents, wherein the server device for media responds to a data transmission request from a network player by stream-delivering corresponding data in</p>	<p>“a digital contents data transmission processing unit adapted to allow the corresponding data in held digital contents to be stream-delivered from the network storage device to the network</p>	<p>Subject to 112 p. 6</p> <p>Structure: Software algorithm, program, or routine that performs the steps of:</p> <ul style="list-style-type: none"> • Determining where digital contents are held; • Determining whether digital contents should be transmitted 	<p>Governed by 35 U.S.C. § 112, ¶ 6</p> <p>Indefinite due to insufficient corresponding structure (algorithm) in the specification under 35 § 112, ¶¶ 2,6.</p> <p>Function: allow the corresponding data in held digital contents to be</p>	

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	<p>corresponding digital contents from the internal storage device to the network player during connection to a network;</p> <p>a transfer control unit adapted to transfer and store part of held digital contents in the internal storage device to a network storage device, wherein the network storage device is connected to the network and is capable of storing data, and wherein said transfer control unit does not transfer, from the internal storage device to the network storage device, the digital contents that cannot be recovered if a network failure occurs during the transferring of the digital contents from the internal storage device to the network storage device;</p>	<p>player, if the result of search shows the network storage device”</p> <p>’101 Patent, Claim 1</p>	<p>from the network storage device to the network player directly or indirectly; and</p> <ul style="list-style-type: none"> Transmitting digital contents to the network player according to the determination of direct or indirect transmission. <p>’101 Patent, 7:24-65.</p> <p>Function: allow the corresponding data in held digital contents to be stream-delivered from the network storage device to the network player, if the result of search shows</p>	<p>stream-delivered from the network storage device to the network player, if the result of search shows the network storage device</p> <p>Structure/Algorithm: Insufficient</p>	

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>a list information transmission unit adapted to respond to a list presentation request for the held digital contents of the server device for media from the network player by transmitting list information to the network player, wherein the list information lists the digital contents left in the internal storage device and the digital contents transferred from the internal storage device to the network storage device and stored in the network storage device, and wherein the list information maintains a tree structure of the digital contents in the internal storage device before transferring the digital contents to the network storage device;</p> <p>a search unit adapted to respond to a data transmission request for</p>		<p>the network storage device</p>		

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	<p>the held digital contents from the network player by searching for a location where the held digital contents are currently stored; and</p> <p>a digital contents data transmission processing unit adapted to allow the corresponding data in held digital contents to be stream-delivered from the network storage device to the network player, if the result of search shows the network storage device,</p> <p>wherein the server device for media is a media player.</p>				
19.	<p><u>'101 Patent, Claim 2</u></p> <p>The server device for media according to claim 1, wherein said digital contents data transmission processing unit causes the network storage</p>	<p>“said digital contents data transmission processing unit causes the network storage device</p>	<p>Subject to 112 p. 6</p> <p>Structure: Software algorithm, program, or routine that performs the steps of:</p> <ul style="list-style-type: none"> • Determining 	<p>Governed by 35 U.S.C. § 112, ¶ 6</p> <p>Indefinite due to insufficient corresponding structure (algorithm)</p>	

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>device to transmit the corresponding data to the server device for media, and then transmits the corresponding data received from the network storage device from the server device for media to the network player.</p>	<p>to transmit the corresponding data to the server device for media, and then transmits the corresponding data received from the network storage device from the server device for media to the network player”</p> <p>’101 Patent, Claim 2</p>	<p>where digital contents are held;</p> <ul style="list-style-type: none"> • Determining whether digital contents should be transmitted from the network storage device to the network player directly or indirectly; and • Transmitting digital contents to the network player according to the determination of direct or indirect transmission. <p>’101 Patent, 7:24-65.</p> <p>Function: allow the corresponding data in</p>	<p>in the specification under 35 § 112, ¶¶ 2,6.</p> <p>Function: allow the corresponding data in held digital contents to be stream-delivered from the network storage device to the network player, if the result of search shows the network storage device; and causes the network storage device to transmit the corresponding data to the server device for media, and then transmits the corresponding data received from the network storage device from the server device for media to the network player</p>	

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
			held digital contents to be stream-delivered from the network storage device to the network player, if the result of search shows the network storage device, and causes the network storage device to transmit the corresponding data to the server device for media, and then transmits the corresponding data received from the network storage device from the server device for media to the network player	Structure/Algorithm: Insufficient	
20.	<p><u>'101 Patent, Claim 3</u> The server device for media according to claim 1, wherein said digital contents data transmission processing unit transmits the corresponding data and information for</p>	<p>“said digital contents data transmission processing unit transmits the corresponding data and information for</p>	<p>Subject to 112 p. 6 Structure: Software algorithm, program, or routine that performs the steps of:</p> <ul style="list-style-type: none"> • Determining where digital 	<p>Governed by 35 U.S.C. § 112, ¶ 6 Indefinite due to insufficient corresponding structure (algorithm) in the specification</p>	

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>identifying the network storage device to the network player, and causes the network storage device to directly transmit the corresponding data to the network player.</p>	<p>identifying the network storage device to the network player, and causes the network storage device to directly transmit the corresponding data to the network player.”</p> <p>'101 Patent, Claim 3</p>	<p>contents are held;</p> <ul style="list-style-type: none"> • Determining whether digital contents should be transmitted from the network storage device to the network player directly or indirectly; and • Transmitting digital contents to the network player according to the determination of direct or indirect transmission. <p>'101 Patent, 7:24-65.</p> <p>Function: allow the corresponding data in held digital contents to</p>	<p>under 35 § 112, ¶¶ 2, 6.</p> <p>Function: allow the corresponding data in held digital contents to be stream-delivered from the network storage device to the network player, if the result of search shows the network storage device; transmits the corresponding data and information for identifying the network storage device to the network player, and causes the network storage device to directly transmit the corresponding data to the network player</p>	

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
			be stream-delivered from the network storage device to the network player, if the result of search shows the network storage device, transmits the corresponding data and information for identifying the network storage device to the network player, and causes the network storage device to directly transmit the corresponding data to the network player	Structure/Algorithm: Insufficient	
21.	<p><u>'101 Patent, Claim 4</u></p> <p>The server device for media according to claim 1, further comprising</p> <p>a return control unit adapted to cause the digital contents corresponding to a predetermined condition among the digital contents which have been transferred</p>	<p>“a return control unit adapted to cause the digital contents corresponding to a predetermined condition among the digital contents</p>	<p>Subject to 112 p. 6</p> <p>Structure: Software algorithm, program, or routine that performs the steps of:</p> <ul style="list-style-type: none"> (i) Determining a predetermined condition whether digital 	<p>Governed by 35 U.S.C. § 112, ¶ 6</p> <p>Indefinite due to insufficient corresponding structure (algorithm) in the specification under 35 § 112, ¶¶ 2,6.</p> <p>Function: cause the</p>	

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>to the network storage device to be returned from the network storage device to the internal storage device.</p>	<p>which have been transferred to the network storage device to be returned from the network storage device to the internal storage device”</p> <p>’101 Patent, Claim 4</p>	<p>contents have recently been subjected to self-playback among the digital contents which have been transferred to the network storage device;</p> <p>or</p> <ul style="list-style-type: none"> • (ii) Determining a predetermined condition whether the digital contents have recently been played, whether by self-playback or network-playback; and • Returning digital contents from the network 	<p>digital contents corresponding to a predetermined condition among the digital contents which have been transferred to the network storage device to be returned from the network storage device to the internal storage device</p> <p>Structure/Algorithm: Insufficient</p>	

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
			<p>storage device to the internal storage device based on the determined predetermined condition</p> <p>'101 Patent, 7:66-8:24</p> <p>Function: cause the digital contents corresponding to a predetermined condition among the digital contents which have been transferred to the network storage device to be returned from the network storage device to the internal storage device</p>		
22.	<p><u>'891 Patent, Claim 1</u></p> <p>A communication quality judging device comprising:</p> <p>a symbol judging means for obtaining a baseband signal representative of a sequence of</p>	<p>“a symbol judging means for obtaining a baseband signal representative of a sequence</p>	<p>Subject to 35 U.S.C. § 112 ¶ 6</p> <p>Function: obtaining a baseband signal representative of a sequence of multilevel</p>	<p>Governed by 35 U.S.C. § 112, ¶ 6</p> <p>Function: “obtaining a baseband signal representative of a sequence of</p>	

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>multilevel symbols and judging the symbol represented by the baseband signal;</p> <p>a communication quality judging means for judging communication quality of a transmission channel over which the baseband signal has been transmitted, based on content of the symbol judged by the symbol judging means; and</p> <p>a data changing means for, if the communication quality judged by the communication quality judging means does not satisfy a predetermined condition, making a predetermined change to the data to be transmitted represented by the symbol used in the judgment,</p> <p>wherein at least a portion of a bit string is distinguished as a protected portion, the bit string constituting data to be transmitted represented by the sequence of symbols, and at</p>	<p>of multilevel symbols and judging the symbol represented by the baseband signal”</p> <p>’891 Patent, Claim 1</p>	<p>symbols and judging the symbol represented by the baseband symbol.</p> <p>Structure: “a processor and a memory that stores a program executed by the processor in a receiver that judges the instantaneous value of the baseband signal at the Nyquist point against threshold values and determines a symbol value of the section depending on the result as set forth in 9:13-10:4, 14:30-43, and equivalents thereof.”</p>	<p>multilevel symbols and judging the symbol represented by the baseband signal”</p> <p>Structure/Algorithm: “a demodulator as set forth in 9:5-12 and a processor, a memory that stores a program executed by the processor, and the like in a receiver that judges the instantaneous value of the baseband signal at the Nyquist point against threshold values and determines a symbol value of the section depending on the result as set forth in 9:13-10:4, 14:30-43”</p>	

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>least a portion of the symbol that belongs to the sequence of symbols contains a bit belonging to the protected portion and a redundant bit having a predetermined value, and</p> <p>wherein the communication quality judging means identifies the number of redundant bits having the predetermined value or the number of redundant bits missing the predetermined value among the redundant bits contained in the symbol that contains a bit belonging to the protected portion, and judges the communication quality of the transmission channel based on the identified result.</p>				
23.	<p><u>'891 Patent, Claim 1</u></p> <p>A communication quality judging device comprising:</p>	<p>“a communication quality judging means for judging</p>	<p>[AGREED]</p>	<p>[AGREED]</p>	<p>Governed by 35 U.S.C. § 112 ¶ 6</p> <p>Function: “judging communication quality of a</p>

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>a symbol judging means for obtaining a baseband signal representative of a sequence of multilevel symbols and judging the symbol represented by the baseband signal;</p> <p>a communication quality judging means for judging communication quality of a transmission channel over which the baseband signal has been transmitted, based on content of the symbol judged by the symbol judging means;</p> <p>and</p> <p>a data changing means for, if the communication quality judged by the communication quality judging means does not satisfy a predetermined condition, making a predetermined change to the data to be transmitted represented by the symbol used in the judgment,</p> <p>wherein at least a portion of a bit string is distinguished as a protected portion, the bit string</p>	<p>communication quality of a transmission channel over which the baseband signal has been transmitted, based on content of the symbol judged by the symbol judging means; [. . .] wherein the communication quality judging means identifies the number of redundant bits having the predetermined value or the number of redundant bits missing the predetermined</p>			<p>transmission channel over which the baseband signal has been transmitted, based on content of the symbol judged;" "identifies the number of redundant bits having the predetermined value or the number of redundant bits missing the predetermined value among the redundant bits contained in the symbol that contains a bit belonging to the protected portion, and judges the communication quality of the transmission channel based on the identified result"</p>

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>constituting data to be transmitted represented by the sequence of symbols, and at least a portion of the symbol that belongs to the sequence of symbols contains a bit belonging to the protected portion and a redundant bit having a predetermined value, and</p> <p>wherein the communication quality judging means identifies the number of redundant bits having the predetermined value or the number of redundant bits missing the predetermined value among the redundant bits contained in the symbol that contains a bit belonging to the protected portion, and judges the communication quality of the transmission channel based on the identified result.</p>	<p>value among the redundant bits contained in the symbol that contains a bit belonging to the protected portion, and judges the communication quality of the transmission channel based on the identified result”</p> <p>’891 Patent, Claim 1</p>			<p>Structure/Algorithm: “a processor and a memory that stores a program executed by the processor that receives a bit string derived from symbols obtained from a demodulated signal and checks the value of bits and compares the number of bits having or missing a predetermined value to threshold values as set forth in 9:13-25, 10:45-54, 10:62-12:10”</p>

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT’s Proposed Construction	Google’s Proposed Construction	Court’s Construction
24.	<p><u>'891 Patent, Claim 1</u></p> <p>A communication quality judging device comprising:</p> <p>a symbol judging means for obtaining a baseband signal representative of a sequence of multilevel symbols and judging the symbol represented by the baseband signal;</p> <p>a communication quality judging means for judging communication quality of a transmission channel over which the baseband signal has been transmitted, based on content of the symbol judged by the symbol judging means; and</p> <p>a data changing means for, if the communication quality judged by the communication quality judging means does not satisfy a predetermined condition, making a predetermined change to the data to be transmitted</p>	<p>“a data changing means for, [. . .] making a predetermined change to the data to be transmitted represented by the symbol used in the judgment”</p> <p>'891 Patent, Claim 1</p>	<p>Subject to 35 U.S.C. § 112 ¶ 6</p> <p>Function: “if the communication quality judged by the communication quality judging means does not satisfy a predetermined condition, making a predetermined change to the data to be transmitted represented by the symbol used in the judgment”</p> <p>Structure: “processor and a memory that stores a program executed by the processor that either (i) replaces the content of output data with content of previous output data; (ii) destroys/mutes either all of or certain output</p>	<p>Governed by 35 U.S.C. § 112, ¶ 6</p> <p>Indefinite due to insufficient corresponding structure (algorithm) in the specification under 35 § 112, ¶¶ 2, 6.</p> <p>Function: “making a predetermined change to the data to be transmitted represented by the symbol used in the judgment.”</p> <p>Structure/Algorithm: Insufficient</p>	

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
	<p>represented by the symbol used in the judgment,</p> <p>wherein at least a portion of a bit string is distinguished as a protected portion, the bit string constituting data to be transmitted represented by the sequence of symbols, and at least a portion of the symbol that belongs to the sequence of symbols contains a bit belonging to the protected portion and a redundant bit having a predetermined value, and</p> <p>wherein the communication quality judging means identifies the number of redundant bits having the predetermined value or the number of redundant bits missing the predetermined value among the redundant bits contained in the symbol that contains a bit belonging to the protected portion, and judges the communication quality of the transmission channel based on the identified result.</p>		<p>data of the total output data; or (iii) does not change the output data, and equivalents thereof”</p>		

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
25.	<p><u>'891 Patent, Claim 2</u> The communication quality judging device according to claim 1, wherein the data changing means comprises means for externally obtaining a parameter that defines at least a portion of the condition.</p>	<p>“the data changing means comprises means for externally obtaining a parameter that defines at least a portion of the condition” '891 Patent, Claim 2</p>	[AGREED]	[AGREED]	<p>Governed by 35 U.S.C. § 112 ¶ 6 Function: “externally obtaining a parameter that defines at least a portion of the condition” Structure: “a receiver compatible with a switch, keyboard, or other input devices for inputting parameters, or with a serial interface circuit or recording media drive device to externally obtain serially-transmitted parameters or to read parameters recorded on the</p>

#	Claim Language	Claim Term(s), Phrase(s), or Clause(s)	ACT's Proposed Construction	Google's Proposed Construction	Court's Construction
					recording media as set forth in 13:22-31, 14:3-16.”

Dated: September 9, 2025

Respectfully submitted,

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CERTIFICATE OF SERVICE

The undersigned hereby certifies that on September 9, 2025, a true and correct copy of the above and foregoing document has been served on all counsel of record who are deemed to have consented to electronic service via the Court's CM/ECF system per Local Rule CV-5(a)(3).

/s/ Vincent J. Rubino, III
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