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GOOGLE LLC

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18 UNITED STATES DISTRICT COURT
19 SOUTHERN DISTRICT OF CALIFORNIA
20 SAN DIEGO DIVISION
21

22 CLEAR IMAGING RESEARCH LLC,
23 Plaintiff and Counterclaim-
Defendant,
24
25 v.
26 GOOGLE LLC,
27 Defendant and Counter-
claimant.

Case No. 3:25-cv-00221-GPC-BLM
**GOOGLE LLC'S RESPONSIVE
CLAIM CONSTRUCTIONS**

Judge: Hon. Gonzalo P. Curiel

1 **I. Google’s Responsive Claim Constructions**

2 Pursuant to the Case Management Order Regulating Discovery and Other
3 Pretrial Proceedings in a Patent Case (“Scheduling Order”) (Dkt. 34), Patent L.R.
4 4.1(c), and Patent L.R. 4.1(d), Defendant Google LLC (“Google”) provides the
5 following preliminary responsive claim constructions and identification of extrinsic
6 evidence. Google reserves the right to amend, supplement, modify, revise, or replace
7 its identification of terms, proposed constructions, and extrinsic evidence based on
8 the terms and claim constructions provided by Plaintiff or in light of any additional
9 information that becomes apparent during the course of discovery. To the extent
10 Clear Imaging Research intends to offer expert testimony on any claim terms, Google
11 reserves the right to present expert testimony on the proper interpretation and
12 reasonable certainty of claim scope.

13 **U.S. Patent No. 9,860,450 (the “450 Patent”)**

Term(s)	Google’s Proposed Construction	Identification of Extrinsic Evidence
“a processor configured to...” / “...by the processor...” (’450 Patent, claims 1-9, 11-22, 24-32)	These claim terms are subject to 35 U.S.C. § 112 ¶ 6 and indefinite because the specification fails to disclose sufficient corresponding structure. Function(s): <ul style="list-style-type: none">• Determining a vertical shift value and a horizontal shift value for one or more images of the sequence of images based at least in part on the motion information (claims 1, 14, 28, 29)	Google’s one or more experts is expected to provide testimony that one of ordinary skill in the art at the relevant time who has reviewed the intrinsic record would not understand or be informed of the scope of the terms “a processor configured to” with reasonable certainty and as a result the term is indefinite for lack of sufficient structure set forth in the specification. The term “a processor configured to...” has been found to be subject to 35 U.S.C. § 112 ¶ 6. <i>See, e.g., WSOU Invs. LLC v. Google</i>

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Term(s)	Google’s Proposed Construction	Identification of Extrinsic Evidence
	<ul style="list-style-type: none"><li>● Modifying one or more images of the sequence of images based at least in part on the vertical and the horizontal shift values (claims 1, 14, 28, 29)<li>● Combining the modified images to obtain a final video (claims 1, 14)<li>● Combining the modified images, and apply[ing] a video compression technique to obtain a final video (claim 28, 29)<li>● Determining the vertical and horizontal shift values for one or more images [of the sequence of images] for which the motion information is detected (claims 2, 15)<li>● Modifying one or more images for which the vertical and horizontal shift values are determined (claims	<p><i>LLC</i>, No. 2022-1063, 2023 WL 6889033 (Fed. Cir. 2023) (further affirming that the term was indefinite for lack of sufficient structure); <i>Jardin v. Datallegro, Inc.</i>, No. 08-CV-1462-IEG RBB, 2010 WL 3910481, at *12 (S.D. Cal. Oct. 4, 2010); <i>Bell Northern Research, LLC v. Coolpad Tech., Inc. et al.</i>, No. 3:18-cv-01783-CAB-BLM, Dkt. 84 (S.D. Cal. Aug. 9, 2019) (finding “module to” perform certain functions subject to 35 U.S.C. § 112 ¶ 6 and indefinite); <i>St. Isidore Research, LLC v. Comerica Inc.</i>, No. 2:15-cv-1390-JRG-RSP, 2016 WL 4988246, at *15, (E.D. Tex. Sep. 18, 2016) (finding “processor configured to” to be subject to 35 U.S.C. § 112 ¶ 6). The term “...by the processor...” is also subject to 35 U.S.C. § 112 ¶ 6 even if found in a method claim. <i>See Rain Computing, Inc. v. Samsung Elecs. Am., Inc.</i>, 989 F.3d 1002 (Fed. Cir. 2021).</p>

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Term(s)	Google's Proposed Construction	Identification of Extrinsic Evidence
	<p>3, 16)</p> <ul style="list-style-type: none">● Modifying one or more images of the sequence of images such that effect of motion of the device during capturing of the one or more images of the sequence of images is reduced in the final video (claims 4, 17)● Determining a vertical shift value and a horizontal shift value for each [image/of the images] of the sequence of images (claims 5, 18)● Determining a vertical shift value and a horizontal shift value for one or more images of the sequence of images based at least in part on the motion information, wherein the motion information [detected by one or more motion sensors] represents motion of the	

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Term(s)	Google's Proposed Construction	Identification of Extrinsic Evidence
	<p>device at time of capturing of one or more images of the sequence of images (claims 6, 19)</p> <ul style="list-style-type: none"><li>● Determining a vertical shift value and a horizontal shift value for at least two images based at least in part on motion information, wherein the motion information represents motion of the device between capturing of consecutive images (claims 7, 20, 30)<li>● Modifying at least two images based at least in part on the vertical and the horizontal shift values (claims 7, 20, 30)<li>● Determining a vertical shift value and a horizontal shift value for one or more images of the sequence of images based at least in part on the motion information,	

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Term(s)	Google's Proposed Construction	Identification of Extrinsic Evidence
	<p>wherein the vertical and horizontal shift values for an image indicate how much the image is displaced due to motion of the device during capturing of the image (claim 8, 21)</p> <ul style="list-style-type: none">● Modifying one or more images of the sequence of images by shifting a reference point in each image according to the vertical shift value and the horizontal shift value for the image in a direction that reduces the effect of motion of the device in the final video (claims 9, 22)● Modifying the sequence of images using a video compression technique (claims 11, 24)● Determining a vertical shift value and a horizontal shift value for one	

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Term(s)	Google's Proposed Construction	Identification of Extrinsic Evidence
	<p>or more images of the sequence of images based at least in part on the focal distance of a lens of the imaging device (claims 12, 25, 31)</p> <ul style="list-style-type: none">● Modifying one or more images of the sequential images based at least in part on user input (claim 13, 26, 32)● Combining the modified images to obtain a final video is based at least in part on the user input (claim 13)● Obtaining a final video based at least in part on the user input (claim 26, 32)● [two or more processors that perform the functions of claim 14] (claim 27) <p>Structure(s):</p> <ul style="list-style-type: none">● An integrated circuit or processor(s), or a combination of the	

Term(s)	Google's Proposed Construction	Identification of Extrinsic Evidence
	two. Indefinite for failure to disclose an algorithm.	

In addition to the extrinsic evidence identified above, Google will offer expert testimony of one or more experts, including but not limited to one or more expert declarations, in support of Google's proposed claim constructions and rebutting Plaintiff's proposed constructions, including declaration testimony rebutting expert testimony or opinions submitted by Plaintiffs. The one or more experts' declarations are expected to address how one who was a person of ordinary skill in the art at the time of the alleged inventions and who had reviewed the intrinsic record would have understood certain claim terms as well as whether asserted claims satisfy 35 U.S.C. § 112. In addition, Google may call one or more experts at the Claim Construction Hearing to provide similar expert testimony supporting Google's proposed constructions and rebutting Plaintiff's proposed constructions and proffering expert opinions.

Google's one or more experts are expected to provide opinions addressing the claim limitations "a processor configured to..." and "...by the processor..." ('450 Patent). Google's one or more experts' opinions may be based on the intrinsic record and any extrinsic evidence identified by either party.

Dated: December 17, 2025

PERKINS COIE LLP

By: */s/ Sarah E. Piepmeier*

Sarah E. Piepmeier

Counsel for Defendant and Counter-Claimant

GOOGLE LLC

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CERTIFICATE OF SERVICE

I hereby certify that on this 17th day of December, 2025, a true and correct copy of the foregoing document was served by email on Plaintiff’s counsel of record.

/s/ Antonio Ramos
Antonio Ramos
Senior Paralegal