’428 Patent Claim Mapping	
1[pre]. A computer implemented system for providing a graphical user interface, comprising: 1[A] a non-transitory computer readable medium;	9[pre]. A method for providing a graphical user interface, comprising:
1[B] a renderer defined to render a graphical user interface (GUI) for an application program; a renderer defined to render a graphical user interface (GUI) for an application program;	9[A] operating a renderer to render a graphical user interface (GUI) for an application program;
1[C] [(i)] a proxy defined to provide each component necessary for rendering the GUI to the renderer, [(ii)] wherein the proxy appears to the renderer as a single monolithic application program, and [(iii)] wherein the proxy is defined to determine changes required to be made to the GUI for the application program during execution of the application program, [(iv)] wherein a given change determined by the proxy is one of rendering a new layout in the GUI and updating a present layout in the GUI; and	9[B] [(i)] operating a proxy to provide each component necessary for rendering the GUI to the renderer, [(ii)] wherein the proxy appears to the renderer as a single monolithic application program, and [(iii)] wherein the proxy is defined to determine changes required to be made to the GUI for the application program during execution of the application program, [(iv)] wherein a given change determined by the ox is one of rendering a new layout in the GUI and updating a present layout in the GUI; and
1[D] a workflow manager defined to communicate one or more document viewers and associated user interface components to the proxy for provision to the renderer as components necessary for rendering the GUI,	9[C] operating a workflow manager to communicate one or more document viewers and associated user interface components to the proxy for provision to the renderer as components necessary for rendering the GUI.
1[D] wherein the renderer, the proxy, and the workflow manager are executed from the non-transitory computer readable medium.	
2. A computer implemented system for providing a graphical user interface as recited in claim 1, wherein the proxy	10. A method for providing a graphical user interface as recited in claim 9, wherein the proxy functions

enables details of each component which makes up the application program to be hidden from the renderer.	to hide details of each component which makes up the application program from the renderer.
3. A computer implemented system for providing a graphical user interface as recited in claim 1, wherein the proxy enables each component which makes up the application program to be modified in a manner that is transparent to the renderer.	11. A method for providing a graphical user interface as recited in claim 9, wherein the proxy functions to enable each component which makes up the application program to be modified in a manner that is transparent to the renderer.
4. A computer implemented system for providing a graphical user interface as recited in claim 1, wherein each of the one or more document viewers includes functions to enable the renderer to display a current document in an appropriate format.	12. A method for providing a graphical user interface as recited in claim 9, wherein each of the one or more document viewers includes functions to enable the renderer to display a current document in an appropriate format.
5. A computer implemented system for providing a graphical user interface as recited in claim 1, wherein each document viewer includes a respective user interface requirements specification referencing one or more user interface components associated with the document viewer.	13. A method for providing a graphical user interface as recited in claim 9, wherein each document viewer includes a respective user interface requirements specification referencing one or more user interface components associated with the document viewer.