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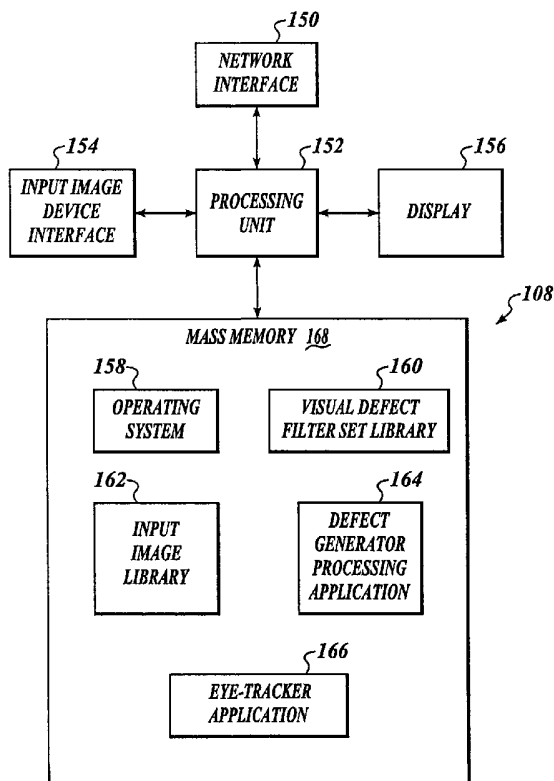
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[Continued on next page]

(54) Title: SYSTEM AND METHOD FOR SIMULATING VISUAL DEFECTS



(57) Abstract: A system (Fig. 2) and method (Fig 4) for simulating defects of visual function are provided. In one aspect, the invention provides a computer system (108) for simulating visual defects including a device for obtaining an input image (154), a processing unit (152), device for modifying the input image to simulating a visual defect (164), and a display device (156). In another aspect, the invention provides methods for simulating a visual defect to a user which involves obtaining an input image (204), selecting a visual defect filter set to apply 206, processing and displaying the modified image (208 and 210).

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— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

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<p><b>A. CLASSIFICATION OF SUBJECT MATTER</b>                  IPC(7) : G06G 7/48; G06K 9/00, 9/40                  US CL : 703/11; 382/114, 260                  According to International Patent Classification (IPC) or to both national classification and IPC</p>														
<p><b>B. FIELDS SEARCHED</b>                  Minimum documentation searched (classification system followed by classification symbols)                  U.S. : 703/11; 382/114, 260</p> <p>Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched</p> <p>Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)                  EAST, JPO, EPO, DE</p>														
<p><b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b></p> <table border="1"> <thead> <tr> <th>Category *</th> <th>Citation of document, with indication, where appropriate, of the relevant passages</th> <th>Relevant to claim No.</th> </tr> </thead> <tbody> <tr> <td>Y</td> <td>US 2001/0056338 A1 (QI) 27 December 2001 (27.12.2001), abstract, page 4-6</td> <td>1-28</td> </tr> <tr> <td>X</td> <td>JP 10-301481 A (II) 13 November 1998 (13.11.1998), abstract, 0004-0008</td> <td>1-28</td> </tr> <tr> <td>Y</td> <td>US 5,495,405 A (MARTIN et al.) 27 February 1996 (27.02.1996), abstract, col. 2.</td> <td>1-28</td> </tr> </tbody> </table>			Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	Y	US 2001/0056338 A1 (QI) 27 December 2001 (27.12.2001), abstract, page 4-6	1-28	X	JP 10-301481 A (II) 13 November 1998 (13.11.1998), abstract, 0004-0008	1-28	Y	US 5,495,405 A (MARTIN et al.) 27 February 1996 (27.02.1996), abstract, col. 2.	1-28
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