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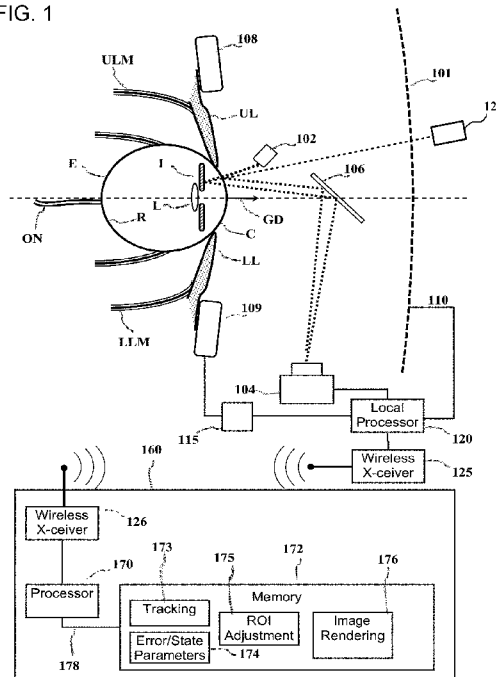
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(54) Title: IMAGE ADJUSTMENT FOR AN EYE TRACKING SYSTEM

FIG. 1



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(57) Abstract: Embodiments generally relate to adjusting images for an eye tracking system. In some embodiments, a method includes presenting one or more images to a user. The method further includes obtaining gaze tracking data relating to a gaze of the user with respect to the one or more images presented to the user. The method further includes detecting one or more first gaze characteristics from the gaze tracking data, wherein the one or more first gaze characteristics indicate a first state of the gaze of the user. The method further includes reducing a brightness of at least a portion of the one or more images presented to the user based on the one or more first gaze characteristics.



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A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - A61B 3/14 (2019.01)

CPC - G06F 3/013, A61B 3/113, A61F 9/008, A61F 2009/00846, G02B 27/0093

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

See Search History Document

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

See Search History Document

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

See Search History Document

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X -- Y	US 2017/0358141 A1 (Sony Interactive Entertainment Inc.) 14 December 2017 (14.12.2017), entire document especially para [0124], [0125], [0134], [0149]	1-5, 7, 8, 10, 14-20 ----- 6, 9, 11-13
Y	US 2017/0365101 A1 (Magic Leap, Inc.) 21 December 2017 (21.12.2017), entire document especially abstract; para [0405], [0411], [0477], [0542], [0545]-[0547], [0550], [0669], [0740], [0741]	6, 9, 12
Y	US 5,781,275 A (Kohayakawa) 14 July 1998 (14.07.1998), col. 4, ln. 10-25	11, 13
A	US 2017/0363872 A1 (Osterhout Group, Inc.) 21 December 2017 (21.12.2017), entire document especially para [0240], [0275], [0561]-[0563], [0643], [0673]	1-20

Further documents are listed in the continuation of Box C.

See patent family annex.

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1 April 2019 (01.04.2019)

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