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- (71) **Applicant: TOBII AB** [SE/SE]; Charlotte Croneborg, Box 743, 181 17 Danderyd (SE).
- (72) **Inventor: BRANNAN, Ritchie;** c/o Tobii AB, Box 743, Danderyd, 182 17 (SE).
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HR, HU, ID, IL, IN, IR, IS, JO, JP, KE, KG, KH, KN, KP,
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- (54) **Title:** DISTRIBUTED FOVEATED RENDERING BASED ON USER GAZE

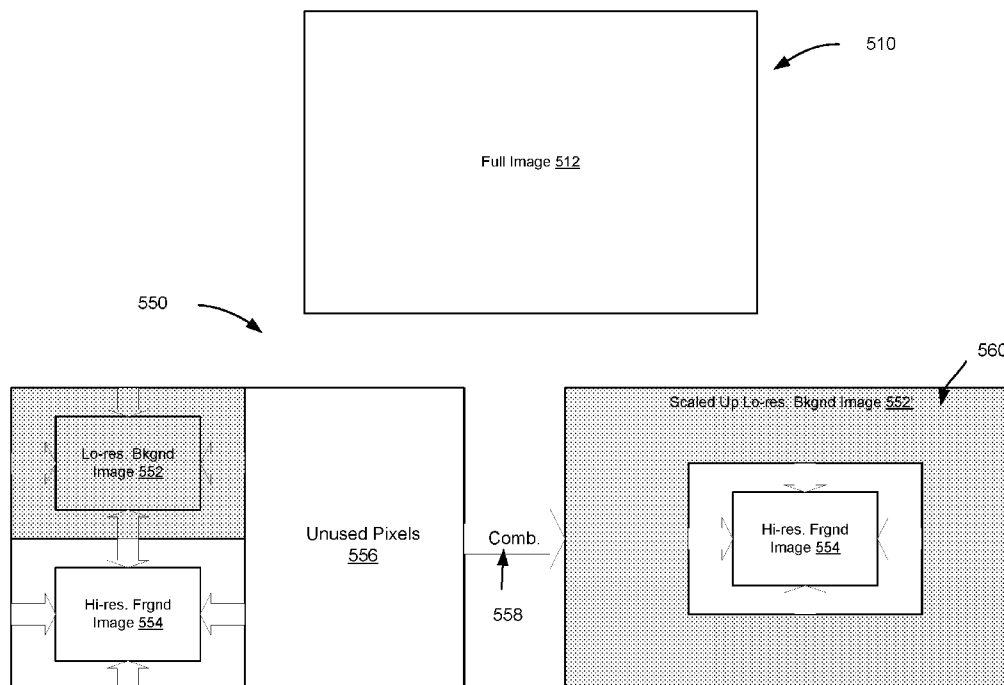


FIG. 5

- (57) Abstract:** Techniques for distributed foveated rendering based on user gaze are described. In an example, an end user device is communicatively coupled with a remote computer and presents images on a display based on gaze data. The user device receives a low resolution background image and high resolution foreground image from the remote computer based on the gaze data. The foreground image is constrained to a foveated region according to the gaze data. The end user device generates a composite image by scaling up the background image and overlaying the foreground image. The composite image is then presented on the display.



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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
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ADD.

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)
G06F

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

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

EPO-Internal, WPI Data, INSPEC, COMPENDEX, IBM-TDB

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 2018/055332 A1 (DISPLAYLINK UK LTD [GB]; HAMAKER ERIC KENNETH [GB] ET AL.) 29 March 2018 (2018-03-29) page 1, line 12 - page 7, line 6 page 7, line 22 - page 8, line 8 page 10, line 2 - page 16, line 26 page 18, line 22 - page 20, line 2 -----	1-20
Y	US 2018/033405 A1 (TALL MARTIN HENRIK [DK] ET AL) 1 February 2018 (2018-02-01) abstract paragraphs [0004], [0005], [0018] - [0025], [0040], [0052] - [0060], [0072] - [0099]; claims 1-4,9-13,18,19 -----	1-20



Further documents are listed in the continuation of Box C.



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Name and mailing address of the ISA/

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040,
Fax: (+31-70) 340-3016

Authorized officer

Wiedmeyer, Vera

INTERNATIONAL SEARCH REPORT

Information on patent family members

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