

Title (en)

METHOD AND SYSTEM FOR ADJUSTING LUMINANCE PROFILES IN HEAD-MOUNTED DISPLAYS

Title (de)

VERFAHREN UND SYSTEM ZUR EINSTELLUNG VON LEUCHTDICHTEPROFILIEN IN KOPFMONTIERTEN ANZEIGEN

Title (fr)

PROCÉDÉ ET SYSTÈME DE RÉGLAGE DE PROFILS DE LUMINANCE DANS DES VISIOCASQUES

Publication

EP 3671715 A1 20200624 (EN)

Application

EP 18275185 A 20181219

Priority

EP 18275185 A 20181219

Abstract (en)

A method is provided for adjusting a luminance profile of an image displayed on display such as a head mounted display (HMD) being worn by a user based on lighting conditions. The method comprises: determining a field of regard of the user; determining one or more lighting conditions in the field of regard; adjusting the luminance profile for the image to accommodate the lighting conditions of the field of regard, wherein, as a result of the adjusted luminance profile, the image is reconciled with the field of regard; and transmitting the luminance profile for use in displaying the image to the user by the display.

IPC 8 full level

G09G 3/34 (2006.01)

CPC (source: EP)

G09G 3/342 (2013.01); **G09G 2320/0633** (2013.01); **G09G 2320/0673** (2013.01); **G09G 2320/0686** (2013.01); **G09G 2360/144** (2013.01)

Citation (search report)

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- [A] JANG WONCHEOL ET AL: "Human field of regard, field of view, and attention bias", COMPUTER METHODS AND PROGRAMS IN BIOMEDICINE, ELSEVIER, AMSTERDAM, NL, vol. 135, 19 July 2016 (2016-07-19), pages 115 - 123, XP029709591, ISSN: 0169-2607, DOI: 10.1016/J.CMPB.2016.07.026

Designated contracting state (EPC)

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Designated extension state (EPC)

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