Title (en)

ADAPTIVE BRIGHTNESS FOR AUGMENTED REALITY DISPLAY

Title (de)

ADAPTIVE HELLIGKEIT FÜR ANZEIGE DER ERWEITERTEN REALITÄT

Title (fr)

LUMINOSITÉ ADAPTATIVE POUR AFFICHEUR À RÉALITÉ AUGMENTÉE

Publication

EP 4352952 A1 20240417 (EN)

Application

EP 22740618 A 20220603

Priority

- US 202163208810 P 20210609
- US 202217582633 A 20220124
- US 2022032175 W 20220603

Abstract (en)

[origin: WO2022260954A1] Disclosed are systems and methods for adaptively adjusting brightness of a wearable device projection system. The systems and methods perform operations comprising: causing projection elements of the AR wearable device to project an image; receiving a measure of ambient light from an ambient light sensor; adjusting one or more hardware parameters of the projection elements of the AR wearable device based on the measure of ambient light; modifying one or more color values of the image displayed by the projection elements of the AR wearable device based on the measure of ambient light; and projecting the image with the modified color values using the projection elements of the AR wearable device with the adjusted one or more hardware parameters.

IPC 8 full level

H04N 9/31 (2006.01); **G02B 27/01** (2006.01)

CPC (source: EP KR)

G02B 27/0172 (2013.01 - EP KR); **H04N 9/3111** (2013.01 - EP KR); **H04N 9/3123** (2013.01 - EP); **H04N 9/3126** (2013.01 - KR); **H04N 9/3155** (2013.01 - EP KR); **H04N 9/3182** (2013.01 - EP KR); **H04N 9/3194** (2013.01 - EP KR); **H04N 13/324** (2018.04 - KR); **H04N 13/327** (2018.04 - KR); **H04N 13/344** (2018.04 - KR); **H04N 13/363** (2018.04 - KR); G02B 2027/0112 (2013.01 - EP KR); G02B 2027/0118 (2013.01 - EP KR); G02B 2027/0178 (2013.01 - EP KR)

Citation (search report)

See references of WO 2022260954A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

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DOCDB simple family (publication)

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