

Title (en)
AUGMENTED REALITY DEVICE FOR ADJUSTING FOCUS REGION ACCORDING TO DIRECTION OF USER'S VIEW AND OPERATING METHOD OF THE SAME

Title (de)
VORRICHTUNG DER ERWEITERTEN REALITÄT ZUR EINSTELLUNG DES FOKUSBEREICHES ENTSPRECHEND DER BLICKRICHTUNG EINES BENUTZERS UND BETRIEBSVERFAHREN DAFÜR

Title (fr)
DISPOSITIF À RÉALITÉ AUGMENTÉE PERMETTANT LE RÉGLAGE D'UNE RÉGION DE MISE AU POINT SELON LA DIRECTION DE VISION DE L'UTILISATEUR ET PROCÉDÉ DE FONCTIONNEMENT ASSOCIÉ

Publication
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Application
EP 20812613 A 20200508

Priority
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• KR 20190115473 A 20190919
• KR 2020006108 W 20200508

Abstract (en)
[origin: KR20200136297A] Provided are an augmented reality device including a variable focus lens capable of adjusting a focal distance by adjusting the refractive power and adjusting a focus adjustment area in a variable focus lens according to a gaze of a user, and an operation method thereof. In one embodiment of the present invention, the augmented reality device acquires a gaze vector representing a gaze direction of a user using an eye tracker, adjusts the refractive power of a first focus adjustment area of a first variable focus lens for changing a focal distance that a virtual image is displayed, and complementarily adjusts the refractive power of a second variable focus lens for the adjusted refractive power of the first focus adjustment area.

IPC 8 full level
G06F 3/01 (2006.01); **G02B 3/14** (2006.01); **G02B 27/00** (2006.01); **G02B 27/01** (2006.01); **G02B 30/00** (2020.01); **G02F 1/29** (2006.01); **G06T 19/00** (2011.01); **H04N 13/322** (2018.01); **H04N 13/332** (2018.01); **H04N 13/383** (2018.01); **H04N 13/39** (2018.01)

CPC (source: CN EP KR)
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Citation (search report)
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• [Y] AU 2016233268 A1 20171005 - MAGIC LEAP INC [US]
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Designated contracting state (EPC)
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DOCDB simple family (application)
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