Title (en)

HOLOGRAPHIC REAL SPACE REFRACTIVE SYSTEM

Title (de)

HOLOGRAPHISCHES REFRAKTIVES SYSTEM IM REALEN RAUM

Title (fr)

SYSTÈME DE RÉFRACTION EN ESPACE RÉEL HOLOGRAPHIQUE

Publication

EP 4216796 A1 20230802 (EN)

Application

EP 21873337 A 20210922

Priority

- US 202063083682 P 20200925
- US 2021051518 W 20210922

Abstract (en)

[origin: WO2022066744A1] A method for testing for visual impairment is provided. The method includes rendering, via a computing device communicatively coupled to a head mounted holographic display device, a virtual target displayed to a user within the holographic display device. The method further includes rendering, via the computing device, at least one virtual light within a field of vision of the user within the holographic display device. The method also includes identifying, via the computing device, whether input was received from the user, wherein the input comprises an indication that the user identified the at least one virtual light. The method further includes generating, via the computing device, a map identifying one or more locations that the user identified the at least one virtual light or did not identify the at least one virtual light.

IPC 8 full level

A61B 3/032 (2006.01); **A61B 3/036** (2006.01); **G02B 27/01** (2006.01); **G16H 50/20** (2018.01); **H04N 13/344** (2018.01)

CPC (source: EP)

A61B 3/032 (2013.01); **A61B 3/10** (2013.01); **A61B 3/107** (2013.01); **G02B 27/0093** (2013.01); **G02B 27/0172** (2013.01); **G02B 30/56** (2020.01); **G16H 30/40** (2018.01); **G16H 50/20** (2018.01); A61B 3/112 (2013.01); G02B 2027/0134 (2013.01); G02B 2027/0174 (2013.01); H04N 13/344 (2018.05)

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)

KH MA MD TN

DOCDB simple family (publication)

WO 2022066744 A1 20220331; AU 2021347290 A1 20230525; CA 3193959 A1 20220331; EP 4216796 A1 20230802; JP 2023543822 A 20231018; MX 2023003577 A 20230627

DOCDB simple family (application)

US 2021051518 W 20210922; AU 2021347290 A 20210922; CA 3193959 A 20210922; EP 21873337 A 20210922; JP 2023519446 A 20210922; MX 2023003577 A 20210922