

Title (en)

DEVICE AND METHOD FOR LIGHT AND SHADE SIMULATION IN AN AUGMENTED-REALITY SYSTEM

Title (de)

VORRICHTUNG UND VERFAHREN ZUR BELEUCHTUNGS- UND SCHATTENSIMULATION IN EINEM AUGMENTED-REALITY-SYSTEM

Title (fr)

DISPOSITIF ET PROCÉDÉ DE SIMULATION D'ÉCLAIRAGE ET D'OMBRES DANS UN SYSTÈME À RÉALITÉ AMPLIFIÉE

Publication

**EP 2057445 A1 20090513 (DE)**

Application

**EP 05778974 A 20050705**

Priority

- EP 2005053194 W 20050705
- EP 04024431 A 20041013
- EP 05778974 A 20050705

Abstract (en)

[origin: WO2006040200A1] The invention relates to a device and a method for light guidance in an augmented-reality system, whereby a recorder unit (AE), with an optical axis, records a real object (RO, RS) and displays the same on a display unit (I). A data processing unit generates a virtual object (VO) and also displays the same on the display unit (I). Based on a known sensor positioning, a sensor alignment, a sensor directional diagram and a provided sensor output signal from at least two light-sensitive sensors (S), an illumination angle is then determined and the light guidance for the virtual object (VO) carried out in the display unit (I), based on said illumination angle.

IPC 8 full level

**G01J 1/16** (2006.01); **G06T 15/50** (2006.01)

CPC (source: EP US)

**G01J 1/1626** (2013.01 - EP US); **G06T 15/60** (2013.01 - EP US)

Citation (search report)

See references of WO 2006040200A1

Citation (examination)

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CN108320320A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**WO 2006040200 A1 20060420**; EP 2057445 A1 20090513; JP 2008516352 A 20080515; TW 200614097 A 20060501; US 2008211813 A1 20080904

DOCDB simple family (application)

**EP 2005053194 W 20050705**; EP 05778974 A 20050705; JP 2007536129 A 20050705; TW 94130245 A 20050905; US 66535805 A 20050705