

Title (en)

AUGMENTED REALITY IMAGING SYSTEM, APPARATUS AND METHOD

Title (de)

SYSTEM, VORRICHTUNG UND VERFAHREN ZUR BILDGEBUNG MIT ERWEITERTER REALITÄT

Title (fr)

SYSTÈME, DISPOSITIF ET PROCÉDÉ D'IMAGERIE DE RÉALITÉ AUGMENTÉE

Publication

**EP 3311251 A1 20180425 (EN)**

Application

**EP 16747901 A 20160622**

Priority

- GB 201510959 A 20150622
- GB 2016051866 W 20160622

Abstract (en)

[origin: WO2016207628A1] An augmented reality imaging system comprising: a head mounted augmented reality display unit (30), a real-time imaging device (20), such as an ultrasound probe, that captures a real-time video image (122) of a target; a processor; and means for sensing the position and attitude of the head mounted unit (30) and the real-time imaging device (20). The system adjusts the real-time video image (122) so that it appears, in the head-mounted display unit (30), to have been taken from the point of view of the user (150). Thus, a user (150) is able to move his/her head around a point of interest (12) to better gauge the "missing dimension" in what would otherwise be a 2D image. By placing virtual markers (162) in the AR output displayed in the user's head unit (30), and by matching them to known points of interest in a subject, the system is able to correct for displacement etc. in offline (previously captured) 3D imagery (132), such as an MRI scan, to the actual position of those features.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 2016207628A1

Cited by

CN114253389A; CN110852132A

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Designated extension state (EPC)

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