Title (en)
A SYSTEM WORN BY A MOVING USER FOR FULLY AUGMENTING REALITY BY ANCHORING VIRTUAL OBJECTS

Title (de)
VON EINEM SICH BEWEGENDEN BENUTZER GETRAGENES SYSTEM ZUR ERWEITERUNG DER REALITÄT DURCH VERANKERUNG VON VIRTUELLEN OBJEKTEN

Title (fr)
SYSTÈME PORTÉ PAR UN UTILISATEUR MOBILE POUR AUGMENTER COMPLÈTEMENT LA RÉALITÉ PAR ANCRAGE D'OBJETS VIRTUELS

Publication
EP 2850609 A1 20150325 (EN)

Application
EP 12876696 A 20120516

Priority
IL 2012050173 W 20120516

Abstract (en)
[origin: WO2013171731A1] A system to anchor virtual objects to real world objects, visually, functionally and behaviorally, to create an integrated, comprehensive, rational augmented reality environment, the environment comprising at least the relative location, perspective and viewing angle of the virtual objects in the real world, and the interaction between the virtual objects with the real world and with other virtual objects. The system includes an input device having a built-in interface, which receives data from an High-Definition Multimedia Interface (HDMI) adapter, or any other communication device, and returns images to a microprocessor, an HDMI compact audio/video adapter for transferring encrypted uncompressed digital audio/video data from an HDMI-compliant device and a head-mounted display worn by a user, housing at least one micro-camera and an inertial movement unit (IMU). The system also includes a microprocessor/software unit, which provides data input from the at least one micro-camera and the IMU and a power source.

IPC 8 full level
G09G 5/00 (2006.01); G06F 3/01 (2006.01); G06T 15/20 (2011.01); G06T 19/00 (2011.01); G09G 3/00 (2006.01); H04N 5/232 (2006.01); H04N 5/272 (2006.01)

CPC (source: EP)
G06F 1/163 (2013.01); G06F 3/011 (2013.01); G06F 3/012 (2013.01); G06T 19/006 (2013.01); G09G 3/003 (2013.01); G09G 2370/022 (2013.01); G09G 2370/12 (2013.01); G09G 2370/16 (2013.01); H04N 5/2723 (2013.01); H04N 23/6812 (2023.01)

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

DOCDB simple family (publication)
WO 2013171731 A1 20131121; CN 104603865 A 20150506; EP 2850609 A1 20150325; EP 2850609 A4 20170111; HK 1207918 A1 20160212

DOCDB simple family (application)
IL 2012050173 W 20120516; CN 201280074650 A 20120516; EP 12876696 A 20120516; HK 15108522 A 20150901