

Title (en)

DIGITAL IMAGE CAPTURE AND PROCESSING SYSTEMS FOR SUPPORTING 3D IMAGING VOLUMES IN RETAIL POINT-OF-SALE ENVIRONMENTS

Title (de)

SYSTEM ZUR AUFNAHME UND VERARBEITUNG VON DIGITALBILDERN FÜR DIE UNTERSTÜTZUNG VON 3D-BILDGEBUNGSVOLUMEN AN EINZELHANDELSVERKAUFSORTEN

Title (fr)

SYSTÈMES DE CAPTURE ET DE TRAITEMENT D'IMAGES NUMÉRIQUES POUR LE SUPPORT DE VOLUMES D'IMAGERIE TRIDIMENSIONNELLE DANS DES ENVIRONNEMENTS DE POINT DE VENTE AU DÉTAIL

Publication

**EP 2041693 A2 20090401 (EN)**

Application

**EP 07810585 A 20070719**

Priority

- US 2007016298 W 20070719
- US 48925906 A 20060719
- US 64081406 A 20061218
- US 71186907 A 20070227
- US 71187007 A 20070227
- US 71190707 A 20070227
- US 71185807 A 20070227
- US 71185907 A 20070227
- US 71185707 A 20070227
- US 71190607 A 20070227
- US 71187107 A 20070227
- US 71258807 A 20070228
- US 71260507 A 20070228
- US 71353507 A 20070302
- US 71378507 A 20070302
- US 72965907 A 20070329
- US 72952507 A 20070329
- US 72995407 A 20070329
- US 72994507 A 20070329
- US 81043707 A 20070329
- US 72995907 A 20070329
- US 73190507 A 20070330
- US 73186607 A 20070330
- US 78876907 A 20070420
- US 80923807 A 20070531
- US 80917407 A 20070531
- US 80924007 A 20070531
- US 80917307 A 20070531
- US 82001007 A 20070615
- US 82049707 A 20070619

Abstract (en)

[origin: WO2008011067A2] Digital image capture and processing systems and methods for generating and projecting coplanar illumination and imaging planes and/or coextensive area-type illumination and imaging zones, through one or more imaging windows, and into a 3D imaging volume in a retail POS environments, while employing automatic object motion and/or velocity detection, real-time image analysis and other techniques to capture and processing high-quality digital images of objects passing through the 3D imaging volume, and intelligently controlling and/or managing the use of visible and invisible forms of illumination, during object illumination and imaging operations, that might otherwise annoy or disturb human operators and/or customers working and/or shopping in such retail environments.

IPC 8 full level

**G06K 7/10** (2006.01)

CPC (source: EP)

**G06K 7/10693** (2013.01)

Citation (search report)

See references of WO 2008011067A2

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 MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

**WO 2008011067 A2 20080124; WO 2008011067 A3 20081106**; EP 2041693 A2 20090401

DOCDB simple family (application)

**US 2007016298 W 20070719**; EP 07810585 A 20070719