Title (en)

PANORAMIC PROJECTION DEVICE AND METHOD IMPLEMENTED BY SAID DEVICE

Title (de)

PANORAMISCHES PROJEKTIONSGERÄT UND VON DIESEM GERÄT ANGEWANDTES VERFAHREN

Title (fr)

DISPOSITIF DE PROJECTION PANORAMIQUE, ET PROCEDE MIS EN OEUVRE DANS CE DISPOSITIF

Publication

EP 2183633 A2 20100512 (FR)

Application

EP 08827211 A 20080808

Priority

- FR 2008051485 W 20080808
- FR 0705784 A 20070809

Abstract (en)

[origin: WO2009022087A2] The invention relates to a projection device (1) that comprises: a projector (2) adapted for projecting a mother image along a projection axis (11); and a convex mirror adapted for at least partially reflecting the mother image and projecting it onto a three-dimensional environment (7, 8a, 8b) such as the ground, a ceiling, one or more side walls and the content of a room. When combining the projector with a convex mirror, the mother image can for example be projected into a solid angle higher than 2p steradians (i.e. a half-sphere), or even substantially equal to or slightly lower than 4p steradians (i.e. a sphere). The invention also relates to a method implemented by said device. The field of the invention is particularly that of video projectors for virtual or mixed reality applications.

IPC 8 full level

G02B 17/06 (2006.01)

CPC (source: EP US)

G02B 17/0652 (2013.01 - EP US); **G03B 21/28** (2013.01 - EP US); **G03B 37/04** (2013.01 - EP US); **G03B 37/06** (2013.01 - EP US)

Citation (search report)

See references of WO 2009022087A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

FR 2919934 A1 20090213; **FR 2919934 B1 20100917**; CA 2695909 A1 20090219; CA 2695909 C 20140401; EP 2183633 A2 20100512; EP 2385405 A1 20111109; EP 2385405 B1 20120829; EP 2385405 B8 20130109; EP 2385405 B9 20121219; ES 2394588 T3 20130204; HK 1163824 A1 20120914; JP 2010536061 A 20101125; JP 2013210663 A 20131010; JP 5486113 B2 20140507; KR 101319777 B1 20131017; KR 20100081971 A 20100715; US 2011211175 A1 20110901; US 8272752 B2 20120925; WO 2009022087 A2 20090219; WO 2009022087 A3 20090625

DOCDB simple family (application)

FR 0705784 A 20070809; CA 2695909 A 20080808; EP 08827211 A 20080808; EP 11160401 A 20080808; ES 11160401 T 20080808; FR 2008051485 W 20080808; HK 12103998 A 20120423; JP 2010519500 A 20080808; JP 2013111380 A 20130527; KR 20107005100 A 20080808; US 67276708 A 20080808