

Title (en)
OPTICAL ARRANGEMENTS FOR HEAD MOUNTED DISPLAYS

Title (de)
OPTISCHE ANORDNUNGEN FÜR DISPLAYS MIT KOPFANBRINGUNG

Title (fr)
SCHEMAS OPTIQUES DESTINES AUX AFFICHEURS MONTES SUR LA TETE

Publication
EP 1692559 A1 20060823 (EN)

Application
EP 03819156 A 20031212

Priority
US 0339768 W 20031212

Abstract (en)
[origin: WO2005062105A1] A head mounted display is disclosed that utilizes a single video display screen to transport images to both eyes. The image of this display screen is focused in order to reduce the splitting volume and then split by a plurality of reflective surfaces located near the focal point of the image.

IPC 8 full level
G02B 27/01 (2006.01); **G02B 17/02** (2006.01); **G02B 27/14** (2006.01); **G02B 7/12** (2006.01); **G02B 27/00** (2006.01)

CPC (source: EP)
G02B 17/02 (2013.01); **G02B 27/0172** (2013.01); **G02B 7/12** (2013.01); **G02B 2027/0132** (2013.01); **G02B 2027/0136** (2013.01);
G02B 2027/0154 (2013.01)

Citation (search report)
See references of WO 2005062105A1

Cited by
CN102789058A

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2005062105 A1 20050707; AU 2003297061 A1 20050714; BR 0318647 A 20061128; CA 2548398 A1 20050707; CA 2548398 C 20101207; CA 2686656 A1 20050707; CN 100437200 C 20081126; CN 1894617 A 20070110; EP 1692559 A1 20060823; JP 2007524856 A 20070830; RU 2008130354 A 20100127

DOCDB simple family (application)
US 0339768 W 20031212; AU 2003297061 A 20031212; BR 0318647 A 20031212; CA 2548398 A 20031212; CA 2686656 A 20031212; CN 200380110982 A 20031212; EP 03819156 A 20031212; JP 2005512421 A 20031212; RU 2008130354 A 20080722