

Title (en)
DIGITAL MICRO-MIRROR DEVICE

Title (de)
DIGITALE MIKROSPIEGELEINRICHTUNG

Title (fr)
DISPOSITIF À MICROMIROIRS NUMÉRIQUE

Publication
EP 2359177 A4 20120606 (EN)

Application
EP 08878822 A 20081217

Priority
AU 2008001849 W 20081217

Abstract (en)
[origin: WO2010068962A1] A digital micro-mirror device comprising an array of micro-mirror assemblies positioned on a substrate. Each micro-mirror assembly comprises: a mirror spaced apart from the substrate; a stem supporting the mirror; and first and second electrodes positioned on either side of the stem. The stem is comprised of a resiliently flexible material, such that the mirror can tilt either towards the first electrode or towards the second electrode by an electrostatic force. The digital micro-mirror device may be used in data projectors and the like.

IPC 8 full level
B81B 7/04 (2006.01); **G02B 26/08** (2006.01); **G03B 21/28** (2006.01)

CPC (source: EP KR)
G02B 5/08 (2013.01 - KR); **G02B 26/08** (2013.01 - KR); **G02B 26/0841** (2013.01 - EP); **G03B 21/28** (2013.01 - EP)

Citation (search report)

- [XY] US 6735008 B2 20040511 - BROPHY CHRISTOPHER P [US], et al
- [X] US 6198180 B1 20010306 - GARCIA ERNEST J [US]
- [Y] JP 2007256557 A 20071004 - SUMITOMO PRECISION PROD CO
- [Y] US 2007114883 A1 20070524 - CHEN DONGMIN [US], et al
- [Y] US 2007206266 A1 20070906 - NOVOTNY VLAD [US]
- [Y] US 2006044519 A1 20060302 - HUIBERS ANDREW [US], et al
- [Y] US 5382961 A 19950117 - GALE JR RICHARD O [US]
- See references of WO 2010068962A1

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

DOCDB simple family (publication)
WO 2010068962 A1 20100624; AU 2008365366 A1 20100624; AU 2008365366 B2 20120419; CA 2742310 A1 20100624;
CN 102239436 A 20111109; EP 2359177 A1 20110824; EP 2359177 A4 20120606; JP 2012511163 A 20120517; KR 20110070925 A 20110624

DOCDB simple family (application)
AU 2008001849 W 20081217; AU 2008365366 A 20081217; CA 2742310 A 20081217; CN 200880132192 A 20081217;
EP 08878822 A 20081217; JP 2011538793 A 20081217; KR 20117011188 A 20081217