

Title (en)  
IMAGE PROJECTION DEVICE

Title (de)  
BILDPROJEKTIONSEINRICHTUNG

Title (fr)  
MODULE DE PROJECTION D'IMAGE

Publication  
**EP 2049937 A1 20090422 (DE)**

Application  
**EP 07802397 A 20070724**

Priority  
• EP 2007057611 W 20070724  
• DE 102006035601 A 20060727

Abstract (en)  
[origin: WO2008012302A1] The invention relates to an image projection device having a light source (1) from which light at a different wavelength originates sequentially, having an image modulation arrangement (4) and a projection surface (6) on which images are perceived visually. The invention also relates to a light source drive circuit (2) for an image projection device such as this. An image projection device of this type is provided, in which the image modulation arrangement (4) comprises a polarization beam splitter (11) and two reflective display areas (12.1, 12.2), each display area (12.1, 12.2) has an array of image reproduction elements which can be driven separately, by means of which the polarization direction of incident light is varied as a function of predetermined image information, the illumination beam path is first of all directed, for splitting purposes, into an s-polarized beam path element and a p-polarized beam path element towards the polarization beam splitter (11), the s-polarized beam path element is directed at the first display area (12.1) and the p-polarized beam path element is directed at the second display area (12.2), and the light which has been reflected from specific image reproduction elements in the display areas (12.1, 12.2) and whose polarization direction has been changed during the process is directed at the projection optics (5). DIAGRAM Figure 2 Start pulse

IPC 8 full level  
**G02B 27/28** (2006.01); **H04N 9/31** (2006.01)

CPC (source: EP US)  
**G02B 5/30** (2013.01 - EP US); **G02B 27/0101** (2013.01 - EP US); **G02B 27/283** (2013.01 - EP US); **H04N 9/3111** (2013.01 - EP US); **H04N 9/3155** (2013.01 - EP US); **H04N 9/3167** (2013.01 - EP US); **G02B 2027/0118** (2013.01 - EP US)

Citation (search report)  
See references of WO 2008012302A1

Citation (examination)  
• WO 02080136 A1 20021010 - INFOCUS SYSTEMS INC [US]  
• US 6724158 B1 20040420 - FELDMAN ALAN S [US]

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)  
**DE 102006035601 A1 20080131**; EP 2049937 A1 20090422; US 2009303443 A1 20091210; US 8231230 B2 20120731; WO 2008012302 A1 20080131

DOCDB simple family (application)  
**DE 102006035601 A 20060727**; EP 07802397 A 20070724; EP 2007057611 W 20070724; US 30962107 A 20070724