

Title (en)

APPARATUS, SYSTEM, AND METHOD FOR DISPLAYING AN IMAGE USING A PLATE

Title (de)

VORRICHTUNG, SYSTEM UND VERFAHREN ZUR ANZEIGE EINES BILDES UNTER VERWENDUNG EINER PLATTE

Title (fr)

APPAREIL, SYSTÈME ET PROCÉDÉ PERMETTANT D'AFFICHER UNE IMAGE À L'AIDE D'UNE PLAQUE

Publication

**EP 3146389 A2 20170329 (EN)**

Application

**EP 15795835 A 20150519**

Priority

- US 201461994997 P 20140519
- US 201514590953 A 20150106
- US 201514678974 A 20150404
- US 2015031649 W 20150519

Abstract (en)

[origin: WO2015179455A2] An apparatus (110), system (100), and method (900) for displaying an image (880). Instead of using an expensive configuration of prisms (310) such as TIR prisms (311 ) or RTIR prisms (312) to direct light (800) to and from a DMD (324), a plate (340) with transmissive (374), reflective (372), and/or polarization (373) characteristics is used. The plate (340) can be implemented in a wide variety of different embodiments using a wide variety of different components and configurations.

IPC 8 full level

**G03B 21/28** (2006.01)

CPC (source: EP)

**G02B 26/0833** (2013.01); **G02B 27/0093** (2013.01); **G02B 27/017** (2013.01); **G02B 27/0172** (2013.01); **G03B 21/008** (2013.01); **G03B 21/2066** (2013.01); **G03B 21/28** (2013.01); **H04N 9/3111** (2013.01); **H04N 9/315** (2013.01)

Designated contracting state (EPC)

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**WO 2015179455 A2 20151126; WO 2015179455 A3 20160121**; CN 106605171 A 20170426; EP 3146389 A2 20170329; EP 3146389 A4 20180919; JP 2017523480 A 20170817

DOCDB simple family (application)

**US 2015031649 W 20150519**; CN 201580013343 A 20150519; EP 15795835 A 20150519; JP 2017513599 A 20150519