

Title (en)

IMAGE-GENERATION SYSTEM FOR HEAD-UP DISPLAY AND ASSOCIATED HEAD-UP DISPLAY FOR A MOTOR VEHICLE

Title (de)

BILDERZEUGUNGSSYSTEM FÜR HEADUP ANZEIGE UND ENTSPRECHENDE HEADUP-ANZEIGE FÜR EIN KRAFTFAHRZEUG

Title (fr)

SYSTEME DE GENERATION D'IMAGE POUR AFFICHEUR TETE HAUTE ET AFFICHEUR TETE HAUTE ASSOCIE POUR VEHICULE AUTOMOBILE

Publication

**EP 3132308 A1 20170222 (FR)**

Application

**EP 15725747 A 20150416**

Priority

- FR 1400928 A 20140417
- FR 2015051031 W 20150416

Abstract (en)

[origin: WO2015159029A1] The invention relates to an image-generation system for a display, in particular a head-up display, including a liquid-crystal screen (12) and a device (14) for backlighting said screen (12). The image-generation system is characterised in that said backlighting device (14) includes: a supporting plate (18), at least one light-emitting diode (16) arranged on the supporting plate (18) and emitting light towards the screen (12), at least one reflecting means (26) arranged between the supporting plate (18) and the screen (12), intended for allowing light to pass through towards the screen (12) and for reflecting, towards the screen (12), light propagating towards the supporting plate (18).

IPC 8 full level

**G02F 1/1335** (2006.01); **G02B 27/01** (2006.01)

CPC (source: EP)

**G02B 5/30** (2013.01); **G02B 27/0101** (2013.01); **G02F 1/133603** (2013.01); **G02F 1/133605** (2013.01); **G02B 2027/0118** (2013.01); **G02F 1/133607** (2021.01)

Citation (search report)

See references of WO 2015159029A1

Citation (examination)

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- US 2008111951 A1 20080515 - CHANG LI-CHUN [TW], et al
- WO 2015093077 A1 20150625 - ORTUS TECHNOLOGY CO LTD [JP] & EP 3086169 A1 20161026 - ORTUS TECHNOLOGY CO LTD [JP]
- JP 2009237220 A 20091015 - NIPPON SEIKI CO LTD
- WO 2007030447 A2 20070315 - WAVIEN INC [US], et al
- WO 2012029686 A1 20120308 - SHARP KK [JP], et al

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 2015159029 A1 20151022**; EP 3132308 A1 20170222; FR 3020147 A1 20151023; FR 3020147 B1 20230310

DOCDB simple family (application)

**FR 2015051031 W 20150416**; EP 15725747 A 20150416; FR 1400928 A 20140417