

Title (en)  
METHOD AND SYSTEM USING REFRACTIVE BEAM MAPPER HAVING SQUARE ELEMENT PROFILES TO REDUCE MOIRE INTERFERENCE IN AUTOSTEROSCOPIC DISPLAY

Title (de)  
VERFAHREN UND SYSTEM MIT VERWENDUNG VON REFRAKTIVER STRAHLABBILDUNG MIT VIERECKIGEN ELEMENTPROFILIEN ZUR VERRINGERUNG DER MOIRE-INTERFERENZ IN EINER AUTOSTEREOSKOPISCHEN ANZEIGE

Title (fr)  
PROCÉDÉ ET SYSTÈME UTILISANT UN DISPOSITIF DE MAPPAGE DE FAISCEAU DE RÉFRACTION AYANT DES PROFILS D'ÉLÉMENTS CARRÉS POUR RÉDUIRE UNE INTERFÉRENCE DE MOIRÉ DANS UN AFFICHEUR AUTOSTÉRÉOSCOPIQUE

Publication  
**EP 3405832 A4 20191009 (EN)**

Application  
**EP 17741164 A 20170119**

Priority  
• US 201662280993 P 20160120  
• US 201662281037 P 20160120  
• IB 2017050288 W 20170119

Abstract (en)  
[origin: WO2017125875A1] A multi-display system (e.g., a display including multiple display panels) includes at least first and second displays (e.g., display panels or display layers) arranged substantially parallel to each other in order to display three-dimensional (3D) features to a viewer(s). An optical element(s) such as at least a refractive beam mapper (RBM) is utilized in order to reduce moire interference.

IPC 8 full level  
**G02B 27/00** (2006.01); **G02B 3/00** (2006.01); **G02B 27/09** (2006.01); **G02B 27/42** (2006.01); **G02B 30/25** (2020.01); **G02B 30/26** (2020.01); **G02F 1/00** (2006.01); **G02F 1/01** (2006.01); **G02F 1/13** (2006.01); **G02F 1/1335** (2006.01); **G02F 1/1347** (2006.01); **G09G 3/00** (2006.01); **G09G 3/36** (2006.01); **H04N 13/324** (2018.01); **H04N 13/349** (2018.01); **H04N 13/395** (2018.01)

CPC (source: EP KR US)  
**G02B 3/0056** (2013.01 - EP); **G02B 27/0955** (2013.01 - EP); **G02B 30/25** (2020.01 - KR); **G02B 30/26** (2020.01 - EP KR US); **G02B 30/52** (2020.01 - EP); **H04N 13/324** (2018.04 - EP KR); **H04N 13/395** (2018.04 - EP KR US); **G02B 3/0031** (2013.01 - EP)

Citation (search report)  
• [I] US 2006203338 A1 20060914 - PEZZANITI J L [US]  
• [I] EP 1983363 A1 20081022 - NIPPON TELEGRAPH & TELEPHONE [JP]  
• [I] US 2006103951 A1 20060518 - BELL GARETH P [NZ], et al  
• [A] US 2002034710 A1 20020321 - MORRIS G MICHAEL [US], et al  
• [A] TASSO R.M. SALES: "Bandlimited illumination with engineered diffusers", ADVANCED OPTICAL TECHNOLOGIES, vol. 1, no. 3, 1 July 2012 (2012-07-01), DE, pages 127 - 134, XP055395313, ISSN: 2192-8576, DOI: 10.1515/aot-2012-0012  
• [A] ANONYMOUS: "Optical Diffuser Technologies", 3 March 2015 (2015-03-03), XP055585047, Retrieved from the Internet <URL:https://www.rpcphotonics.com/pdfs/Optical\_Diffuser\_Technologies\_Final\_030215.pdf> [retrieved on 20190502]  
• [A] "Laser Beam Shaping : Theory and Techniques, Second Edition", 15 July 2014, CRC PRESS, ISBN: 978-1-4665-6101-4, article FRED DICKEY ET AL: "Engineered Microlens Diffusers : Theory and Techniques, Second Edition", pages: 367 - 403, XP055614656, DOI: 10.1201/b17140-10  
• [A] "Microlens Arrays", 1 January 2001, ISBN: 978-0-7484-0893-1, article DAN DALY: "Improvements to the Performance of Microlens Arrays", pages: 78 - 81, XP055614735  
• See references of WO 2017125875A1

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

DOCDB simple family (publication)  
**WO 2017125875 A1 20170727**; CN 108605121 A 20180928; CN 108605121 B 20210205; EP 3405832 A1 20181128; EP 3405832 A4 20191009; JP 2019510996 A 20190418; KR 20180103989 A 20180919

DOCDB simple family (application)  
**IB 2017050288 W 20170119**; CN 201780007356 A 20170119; EP 17741164 A 20170119; JP 2018537749 A 20170119; KR 20187023395 A 20170119