

Title (en)

DIODE MATRIX FOR CONTROLLING DISPLAYS WITH ORGANIC DIODES AND PRODUCTION METHOD THEREFOR

Title (de)

DIODENMATRIX ZUR ANSTEUERUNG VON DISPLAYS MIT ORGANISCHEN DIODEN UND HERSTELLUNGSVERFAHREN DAZU

Title (fr)

MATRICE A DIODES SERVANT A COMMANDER DES UNITES D'AFFICHAGE ET COMPRENANT DES DIODES ORGANIQUES, ET PROCEDE DE PRODUCTION CORRESPONDANT

Publication

EP 1565941 A1 20050824 (DE)

Application

EP 03795836 A 20031121

Priority

- DE 10255962 A 20021129
- EP 0313094 W 20031121

Abstract (en)

[origin: WO2004051750A1] The invention relates to a diode matrix for controlling displays and to a production method therefor. The diode matrix comprises at least one (partially) organic diode and can be produced, at least in part, by using printing techniques.

IPC 1-7

H01L 27/00; **G02F 1/1365**; **H01L 51/40**; **G09G 3/32**

IPC 8 full level

G02F 1/1365 (2006.01); **G09G 3/32** (2006.01); **H01L 27/00** (2006.01); **H01L 27/32** (2006.01); **H01L 51/40** (2006.01); **H01L 51/56** (2006.01); **H01L 51/05** (2006.01)

CPC (source: EP KR US)

G02F 1/1365 (2013.01 - KR); **G09G 3/32** (2013.01 - KR); **H01L 27/00** (2013.01 - KR); **H10K 59/17** (2023.02 - EP KR US); **H10K 71/00** (2023.02 - EP KR US); **H10K 71/12** (2023.02 - EP KR); **H10K 10/26** (2023.02 - EP US)

Citation (examination)

- JAEYONG PARK ET AL: "ALL PRINTED BISTABLE REFLECTIVE DISPLAYS: PRINTABLE ELECTROPHORETIC INK AND ALL PRINTED METAL-INSULATOR-METAL DIODES", MATERIALS RESEARCH SOCIETY SYMPOSIUM PROCEEDINGS; [MATERIALS RESEARCH SOCIETY SYMPOSIUM PROCEEDINGS], MATERIALS RESEARCH SOCIETY, PITTSBURG, PA; US, vol. 508, 1 January 1998 (1998-01-01), pages 211 - 217, XP000827666, ISBN: 978-1-55899-828-5
- EXAMENSARBETE ET AL: "Department of Science and Technology Institutionen för teknik och naturvetenskap Linköpings Universitet Linköpings Universitet SE-601 74 Norrköping, Sweden 601 74 Norrköping A Molecularly Switchable Polymer-Based Diode", INTERNET CITATION, 30 September 2002 (2002-09-30), DEPARTMENT OF SCIENCE AND TECHNOLOGY, LINKÖPING UNIVERSITET, NORRKÖPING, SWEDEN, pages 1 - 44, XP055106957, Retrieved from the Internet <URL:http://www.diva-portal.org/smash/get/diva2:18895/FULLTEXT01.pdf> [retrieved on 20140311]
- See also references of WO 2004051750A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

WO 2004051750 A1 20040617; AU 2003298135 A1 20040623; CN 1717803 A 20060104; EP 1565941 A1 20050824; JP 2006509226 A 20060316; KR 20050085159 A 20050829; US 2006145597 A1 20060706

DOCDB simple family (application)

EP 0313094 W 20031121; AU 2003298135 A 20031121; CN 200380104523 A 20031121; EP 03795836 A 20031121; JP 2004556163 A 20031121; KR 20057009486 A 20050526; US 53627905 A 20051128