

Title (en)
LED-ARRAY IN A MATRIX STRUCTURE

Title (de)
LED-ARRAY IN MATRIXANORDNUNG

Title (fr)
GROUPEMENT DE DIODES ELECTROLUMINESCENTES UTILISE DANS UNE STRUCTURE MATRICIELLE

Publication
EP 0917736 A1 19990526 (DE)

Application
EP 97936580 A 19970731

Priority
• DE 9701625 W 19970731
• DE 19631907 A 19960807

Abstract (en)
[origin: DE19631907A1] The invention concerns an LED-array mounted on a semiconductor substrate which is particularly suitable for using in printers and enables easy individual control of the LED's. To this end, the LED's are connected by an electrical layer which is situated on the semiconductor and divided into conductors in columns. Serial control occurs through an electroconductive layer (12, 13) which is situated in the semiconductor substrate and divided into individual conductors by trenches (10).

IPC 1-7
H01L 27/15

IPC 8 full level
G09F 9/33 (2006.01); **B41J 2/45** (2006.01); **H01L 27/15** (2006.01); **H01L 33/08** (2010.01); **H01L 33/30** (2010.01); **H01L 33/36** (2010.01)

CPC (source: EP)
B41J 2/45 (2013.01); **H01L 27/156** (2013.01); **H01L 2224/05554** (2013.01)

Citation (search report)
See references of WO 9806134A1

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
DE 19631907 A1 19980212; CN 1231769 A 19991013; EP 0917736 A1 19990526; JP 2000516035 A 20001128; WO 9806134 A1 19980212

DOCDB simple family (application)
DE 19631907 A 19960807; CN 97198228 A 19970731; DE 9701625 W 19970731; EP 97936580 A 19970731; JP 50747598 A 19970731