

Title (en)
ORGANIC, ELECTROLUMINESCENT DISPLAY AND METHOD FOR PRODUCING THE SAME

Title (de)
ORGANISCHES, ELEKTROLUMINESZIERENDES DISPLAY UND DESSEN HERSTELLUNG

Title (fr)
AFFICHAGE ORGANIQUE ELECTROLUMINESCENT ET SON PROCEDE DE PRODUCTION

Publication
EP 1405345 A2 20040407 (DE)

Application
EP 02752995 A 20020703

Priority
• DE 0202428 W 20020703
• DE 10133685 A 20010711

Abstract (en)
[origin: WO03007377A2] The invention relates to a passive matrix display on the basis of electroluminescent polymers, comprising a structured matrix from pixels and a structured second electrode with electrode terminals. The inventive display is specifically characterized in that the functional polymers are delimited by windows (10) of an insulating layer (5) and are connected to a strip-structured first electrode (1) and a likewise strip-shaped second electrode (2) that extends at an angle to the first electrode and that is connected to the electrode terminals (2a). Windows (40) are disposed in the insulating layer and are disposed above the electrode terminals (2a) for the second electrode, or zones of the insulating layer are disposed between the electrode terminals. An encapsulation (30) is provided that covers the insulating layer with the functional polymers and the second electrode but leaves blank one end each of every electrode terminal (2a).

IPC 1-7
H01L 27/00

IPC 8 full level
H05B 33/06 (2006.01); **H01L 27/32** (2006.01); **H01L 51/50** (2006.01); **H05B 33/04** (2006.01); **H05B 33/10** (2006.01); **H05B 33/12** (2006.01); **H05B 33/22** (2006.01); **H01L 51/52** (2006.01)

CPC (source: EP US)
H10K 59/17 (2023.02 - US); **H10K 59/173** (2023.02 - EP US); **H10K 59/179** (2023.02 - EP US); **H10K 50/841** (2023.02 - US); **H10K 59/871** (2023.02 - EP)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)
WO 03007377 A2 20030123; **WO 03007377 A3 20030530**; DE 10133685 A1 20030130; DE 10133685 B4 20060518; EP 1405345 A2 20040407; JP 2004535044 A 20041118; US 2004169464 A1 20040902; US 7375461 B2 20080520

DOCDB simple family (application)
DE 0202428 W 20020703; DE 10133685 A 20010711; EP 02752995 A 20020703; JP 2003513041 A 20020703; US 48314404 A 20040107