

Title (en)

POLYCHROMATIC ELECTRONIC DISPLAY DEVICE WITH ELECTROLUMINESCENT SCREEN

Title (de)

POLYCHROMATISCHE ELEKTRONISCHE DISPLAYANORDNUNG MIT ELEKTROLUMINESZENZSCHIRM

Title (fr)

DISPOSITIF D'AFFICHAGE ELECTRONIQUE POLYCHROME A ECRAN ELECTROLUMINESCENT

Publication

EP 2311093 A2 20110420 (FR)

Application

EP 09772659 A 20090616

Priority

- FR 2009000714 W 20090616
- FR 0803790 A 20080703

Abstract (en)

[origin: WO201000976A2] The invention relates to a polychromatic electronic display device with an electroluminescent screen, particularly with organic light-emitting diodes (OLEDs), wherein the polychromatic electronic display device comprises an electroluminescent emission surface and, towards the inside of the device, at least one substrate (2) coated with a pixel matrix, said device including a stack of a plurality of electroluminescent cells (UI and Ue) in which each pixel comprises at least three sub-pixels having different colours. According to the invention, for each pixel, the sub-pixel having the lowest emission wavelength λ_c , or critical sub-pixel, is exclusively located in the external unit (Ue) adjacent to said emission surface, each of the other sub-pixels emitting at a wavelength higher than λ_c being exclusively located in an internal unit (UI) relative to said external unit and adjacent to the substrate, the surface area of this critical sub-pixel being higher than that of each of the other sub-pixels.

IPC 8 full level

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CPC (source: EP KR US)

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C-Set (source: EP US)

H01L 2924/0002 + H01L 2924/00

Citation (examination)

- JP 2005203352 A 20050728 - CHI MEI OPTOELECTRONICS CORP, et al
- JP H1012378 A 19980116 - IDEMITSU KOSAN CO
- EP 1758170 A2 20070228 - SAMSUNG SDI CO LTD [KR]

Designated contracting state (EPC)

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Designated extension state (EPC)

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DOCDB simple family (publication)

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