

Title (en)

METHOD AND SYSTEM FOR PATTERNING AN ORGANIC LIGHT EMITTING DIODE DISPLAY BY PRINTING

Title (de)

VERFAHREN UND SYSTEM ZUM STRUKTURIEREN EINES ORGANISCHEN LEUCHTDIODEN-DISPLAYS DURCH AUFDRUCK

Title (fr)

PROCEDE ET SYSTEME PERMETTANT DE FORMER UN MOTIF PAR IMPRESSION SUR UN ECRAN A DIODE ELECTROLUMINESCENTE ORGANIQUE

Publication

EP 1695399 A1 20060830 (EN)

Application

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Priority

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- IL 15977604 A 20040108
- IL 15977504 A 20040108

Abstract (en)

[origin: WO2005053057A1] A device having a static image capable of self-illumination when activated, and comprising constituent pixels printed using a light emitting ink on a layer of an organic light emitting diode (OLED) device so as to form a pattern whose contour is determined only by the pixels and does not require pre-shaping of the layer. The pixels may be printed using ink jet technology on a layer of the OLED, such as the PEDOT layer or cathode of the OLED requiring only a single anode and cathode for activating all the pixels simultaneously thus avoiding a need for separate addressing of selected pixels. Colored pixels may be formed by using different colored light emitting inks.

IPC 8 full level

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