

Title (en)  
SUBSTRATE CARRYING AN ELECTRODE, ORGANIC ELECTROLUMINESCENT DEVICE COMPRISING SAID SUBSTRATE, AND PRODUCTION THEREOF

Title (de)  
EINE ELEKTRODE TRAGENDES SUBSTRAT, ORGANISCHES ELEKTROLUMINESZENZBAUELEMENT MIT DEM SUBSTRAT UND HERSTELLUNG DIESER

Title (fr)  
SUBSTRAT PORTEUR D'UNE ELECTRODE, DISPOSITIF ELECTROLUMINESCENT ORGANIQUE L'INCORPORANT, ET SA FABRICATION

Publication  
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Application  
**EP 08856228 A 20081121**

Priority

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Abstract (en)  
[origin: WO2009071821A2] The invention relates to a substrate (1) carrying a composite electrode (2) on a main face (11), said composite electrode comprising an electroconductive network (21) which is a layer consisting of strands of an electroconductive material based on metal and/or metallic oxide, and having a light transmission of at least 60 % at 550 nm, the space between the strands of the network being filled by a so-called electroconductive filling material. The composite electrode also comprises an electroconductive coating (22) which can be separate or not from the filling material covering the electroconductive network and electrically connected to the strands, said coating having a thickness higher than or equal to 40 nm, and a resistivity  $\rho$  lower than 105 Ohm. cm and higher than the resistivity of the network. The coating forms a smoothed outer surface of an electrode. The composite electrode also comprises a square resistance lower than or equal to 10 Ohm/square. The invention also relates to the production of the composite electrode and to an organic electroluminescent device (100) comprising said electrode.

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