

Title (en)

METHOD AND DEVICE FOR THE PRODUCTION OF A SEMICONDUCTING AND/OR ELECTROLUMINESCENCE-DISPLAYING ORGANIC LAYERED STRUCTURE

Title (de)

VERFAHREN UND VORRICHTUNG ZUR HERSTELLUNG EINES HALBLEITENDEN UND/ODER ELEKTROLUMINESZENZ ZEIGENDEN ORGANISCHEN SCHICHTAUFBAUS

Title (fr)

PROCEDE ET DISPOSITIF PERMETTANT LA REALISATION D'UNE STRUCTURE ORGANIQUE EN COUCHES SEMI-CONDUCTRICE ET/OU ELECTROLUMINESCENTE

Publication

EP 1307932 A1 20030507 (DE)

Application

EP 01949501 A 20010723

Priority

- DE 10038895 A 20000809
- EP 0108491 W 20010723

Abstract (en)

[origin: US2004241901A1] Method of manufacturing a semiconducting organic laminated structure, for use in an electronic circuit, in particular a logic and/or memory circuit, wherein a substrate is coated with a solution or dispersion containing a small proportion of an organic composite and having a certain wet-layer thickness, which by drying is converted into an organic thin layer with semiconducting properties that adheres to the substrate and has a dry-layer thickness substantially less than the wet-layer thickness, in particular by an order of magnitude or more, the drying being accomplished by brief irradiation with electromagnetic radiation that has its main effective component in the near-infrared range, in particular in the region between 0.8 and 1.5 μm .

IPC 1-7

H01L 51/40; B05D 3/02

IPC 8 full level

H01L 51/40 (2006.01); **H01L 51/50** (2006.01)

CPC (source: EP KR US)

H10K 10/00 (2023.02 - KR); **H10K 50/11** (2023.02 - EP US); **H10K 71/12** (2023.02 - EP US)

Citation (search report)

See references of WO 0213285A1

Citation (examination)

- US 5498761 A 19960312 - WESSLING BERNHARD [DE], et al
- PATENT ABSTRACTS OF JAPAN

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