

Title (en)
ORGANIC ELECTROLUMINESCENT DEVICE AND LIGHT-EMITTING MATERIAL

Title (de)
ORGANISCHE ELEKTROLUMINESZENTE VORRICHTUNG UND LICHEMITIERENDES MATERIAL

Title (fr)
DISPOSITIF ORGANIQUE ELECTROLUMINESCENT ET MATIERE LUMINESCENTE

Publication
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EP 01930222 A 20010521

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• US 21148600 P 20000614

Abstract (en)
[origin: WO0191203A2] The invention relates to a light-emitting material and organic electroluminescent (EL) device having high emitting efficiency, in which two organic compounds that contribute to the light emission are used. These two organic compounds have a relationship among energy levels in the excited state, such that an energy transfer takes place from the excited triplet state of one compound to the excited triplet state of the other compound. The organic EL device and light-emitting material of the invention have high emitting efficiency, high luminance and durability, can surpass the marginal value of 25 % in the internal quantum efficiency conventionally acknowledged for the light-emitting materials used in organic EL devices, and can be applicable to all emission colors considered necessary for a display.

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Citation (search report)
See references of WO 0191203A2

Citation (examination)
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