

Title (en)
PHOTOACTIVE COMPONENT WITH ORGANIC LAYERS

Title (de)
PHOTOAKTIVES BAUELEMENT MIT ORGANISCHEN SCHICHTEN

Title (fr)
COMPOSANT PHOTOACTIF A COUCHES ORGANIQUES

Publication
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Application
EP 06722568 A 20060303

Priority
• DE 2006000409 W 20060303
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Abstract (en)
[origin: WO2006092135A1] The invention relates to a photoactive component comprising organic layers, in particular, solar cells, comprising a layer which comprises an electrode and a counter-electrode in addition to a sequence of organic layers which is arranged between the electrode and the counter-electrode. Photoactive areas are formed in two adjacent layers, that is, an electron harvesting layer (EHL - "Electron Harvesting Layer") and an electron separating layer (ESL - "Electron Separating Layer") in one of the sequences of organic layers. The electron harvesting layer (EHL) is a mixed layer which contains an organic material (A) and at least one additional organic material (B), wherein: (i) the lowest singlet-excitation state for electrons (S₁ ^A

IPC 8 full level
H01L 51/42 (2006.01); **H01L 51/46** (2006.01)

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Cited by
DE102008061843A1; WO2010075836A2; DE102010046040A1; DE102010046040B4

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