

Title (en)  
PHOTOACTIVE COMPONENT WITH ORGANIC LAYERS

Title (de)  
PHOTOAKTIVES BAUELEMENT MIT ORGANISCHEN SCHICHTEN

Title (fr)  
COMPOSANT PHOTOACTIF A COUCHES ORGANIQUES

Publication  
**EP 1859494 A1 20071128 (DE)**

Application  
**EP 06722568 A 20060303**

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• 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 ( $S_{1/2}$  )  $A_{1/2}$

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

CPC (source: EP US)  
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Cited by  
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