

Title (en)  
PHOTOVOLTAIC ELEMENT

Title (de)  
PHOTOVOLTAISCHES ELEMENT

Title (fr)  
ÉLÉMENT PHOTOVOLTAÏQUE

Publication  
**EP 2671271 A1 20131211 (DE)**

Application  
**EP 12741941 A 20120124**

Priority  
• EP 11152830 A 20110201  
• IB 2012050315 W 20120124  
• EP 12741941 A 20120124

Abstract (en)  
[origin: WO2012104742A1] A photovoltaic element (110) is proposed for conversion of electromagnetic radiation to electrical energy, more particularly a dye solar cell (112). The photovoltaic element (110) has at least one first electrode (116), at least one n-semiconductive metal oxide (120), at least one electromagnetic radiation- absorbing dye (122), at least one solid organic p-semiconductor (126) and at least one second electrode (132). The p-semiconductor (126) comprises silver in oxidized form.

IPC 8 full level  
**H01L 51/46** (2006.01); **C01G 5/00** (2006.01); **C07C 311/01** (2006.01); **H01L 51/48** (2006.01)

CPC (source: EP KR)  
**C01G 5/00** (2013.01 - KR); **C07C 311/01** (2013.01 - KR); **C09B 5/62** (2013.01 - EP); **C09B 57/00** (2013.01 - EP); **C09B 57/008** (2013.01 - EP); **H01G 9/2031** (2013.01 - EP KR); **H10K 71/30** (2023.02 - EP); **H10K 85/621** (2023.02 - EP); **H10K 85/626** (2023.02 - EP); **H10K 85/633** (2023.02 - EP); **Y02E 10/549** (2013.01 - EP)

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DOCDB simple family (publication)  
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