

Title (en)  
PHOTOVOLTAIC MODULES WITH COMPOSITE SHEETS

Title (de)  
PHOTOVOLTAIK-MODULE MIT VERBUNDFOLIEN

Title (fr)  
MODULES PHOTOVOLTAIQUES A FEUILLES COMPOSITES

Publication  
**EP 1070354 A1 20010124 (DE)**

Application  
**EP 99916858 A 19990322**

Priority  
• DE 19814652 A 19980401  
• EP 9901913 W 19990322

Abstract (en)  
[origin: US6329588B1] A photovoltaic module that contains one or more layers of a multi layered composite film is disclosed. The multilayered film contains at least one layer of polycarbonate and at least one layer of fluorine-containing polymer. The photovoltaic module of the invention features improved printability and mechanical properties.

IPC 1-7  
**H01L 31/048**

IPC 8 full level  
**B32B 27/08** (2006.01); **H01L 31/048** (2006.01); **H02S 50/10** (2014.01)

CPC (source: EP KR US)  
**B32B 27/08** (2013.01 - EP US); **H01L 31/042** (2013.01 - KR); **H01L 31/048** (2013.01 - EP US); **H02S 50/10** (2014.12 - EP US);  
**Y02E 10/50** (2013.01 - EP US); **Y10S 136/291** (2013.01 - EP US); **Y10T 428/237** (2015.01 - EP US); **Y10T 428/31507** (2015.04 - EP US);  
**Y10T 428/3154** (2015.04 - EP US); **Y10T 428/31544** (2015.04 - EP US); **Y10T 428/31576** (2015.04 - EP US); **Y10T 428/3158** (2015.04 - EP US)

Cited by  
WO2011161051A2

Designated contracting state (EPC)  
AT BE DE ES FR GB IT NL

DOCDB simple family (publication)  
**US 6329588 B1 20011211**; AU 3519799 A 19991025; CA 2326792 A1 19991014; CN 1301402 A 20010627; DE 19814652 A1 19991007;  
EP 1070354 A1 20010124; IL 138698 A0 20011031; IL 138698 A 20030312; KR 20010042351 A 20010525; WO 9952154 A1 19991014;  
ZA 200005137 B 20011109

DOCDB simple family (application)  
**US 64738600 A 20001030**; AU 3519799 A 19990322; CA 2326792 A 19990322; CN 99806394 A 19990322; DE 19814652 A 19980401;  
EP 9901913 W 19990322; EP 99916858 A 19990322; IL 13869899 A 19990322; KR 20007010916 A 20000930; ZA 200005137 A 20000926