

Title (en)
PHOTOVOLTAIC GENERATORS WITH LIGHT CASCADE AND VARYING ELECTROMAGNETIC FLUX

Title (de)
PHOTOVOLTAISCHE GENERATOREN MIT LICHT-KASKADE UND VERÄNDERUNG DES ELEKTROMAGNETISCHEN FLUSSES

Title (fr)
GENERATEURS PHOTOVOLTAIQUES A CASCADE LUMINEUSE ET VARIATION DE FLUX ELECTROMAGNETIQUE

Publication
EP 1186057 A1 20020313 (FR)

Application
EP 00920845 A 20000419

Priority
• FR 0001027 W 20000419
• FR 9904914 A 19990419
• FR 9906113 A 19990512

Abstract (en)
[origin: FR2792461A1] The photovoltaic generator comprises a photovoltaic cell included in a transparent matrix having a dichroic filter on its entry surface and a reflective coating on its opposite surface. A photovoltaic generator has one or more photovoltaic cells contained in a transparent matrix comprising an optically active material which has an absorption wavelength (λ_a) corresponding to a lower cell sensitivity range than its re-emission wavelength (λ_r), the matrix having, on its entry surface, a dichroic filter which reflects wavelengths of greater than 950 nm and which is transparent to wavelengths less than 950 nm and, on its opposite surface, a coating which reflects wavelengths of greater than 400 nm.

IPC 1-7
H01L 31/055

IPC 8 full level
H01L 31/0216 (2006.01); **H01L 31/042** (2006.01); **H01L 31/048** (2006.01); **H01L 31/055** (2006.01)

CPC (source: EP US)
H01L 31/042 (2013.01 - EP US); **H01L 31/055** (2013.01 - EP US); **Y02E 10/52** (2013.01 - EP US); **Y10S 136/291** (2013.01 - EP US)

Citation (search report)
See references of WO 0063975A1

Cited by
TWI508314B

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
FR 2792461 A1 20001020; FR 2792461 B3 20010629; EP 1186057 A1 20020313; US 2002074035 A1 20020620; US 6570083 B2 20030527; WO 0063975 A1 20001026

DOCDB simple family (application)
FR 9906113 A 19990512; EP 00920845 A 20000419; FR 0001027 W 20000419; US 96827401 A 20011001