

Title (en)

THIN FILM PHOTOVOLTAIC STRUCTURE AND FABRICATION

Title (de)

DÜNNFILM-PHOTOVOLTAIK-STRUKTUR UND HERSTELLUNG

Title (fr)

STRUCTURE PHOTOVOLTAÏQUE EN PELLICULE MINCE ET SA FABRICATION

Publication

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Application

EP 07809181 A 20070524

Priority

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- US 51104106 A 20060828

Abstract (en)

[origin: WO2007142865A2] Novel photovoltaic structures comprising an insulator structure bonded to an exfoliation layer, preferably of a substantially single-crystal donor semiconductor wafer, and at least one photovoltaic device layer, such as a conductive layer, and systems and methods of production of a photovoltaic device, comprising creating on a donor semiconductor wafer an exfoliation layer and transferring the exfoliation layer to an insulator substrate.

IPC 8 full level

H01L 31/00 (2006.01); **C03C 27/02** (2006.01); **H01L 21/762** (2006.01); **H01L 21/84** (2006.01); **H01L 31/0392** (2006.01); **H01L 31/18** (2006.01)

CPC (source: EP KR)

C03C 27/02 (2013.01 - KR); **C03C 27/06** (2013.01 - EP); **H01L 21/84** (2013.01 - KR); **H01L 31/0392** (2013.01 - EP KR); **H01L 31/18** (2013.01 - EP KR); **Y02E 10/50** (2013.01 - EP)

Citation (search report)

See references of WO 2007142865A2

Designated contracting state (EPC)

DE FR

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