

Title (en)

THIN-FILM SOLAR CELL AND METHOD FOR PRODUCING A THIN-FILM SOLAR CELL

Title (de)

DÜNNSCHICHTSOLARZELLE UND VERFAHREN ZUR HERSTELLUNG EINER DÜNNSCHICHTSOLARZELLE

Title (fr)

CELLULE SOLAIRE EN COUCHES MINCES ET PROCÉDÉ DE FABRICATION D'UNE CELLULE SOLAIRE EN COUCHES MINCES

Publication

EP 2429962 A1 20120321 (DE)

Application

EP 10720348 A 20100505

Priority

- EP 2010002742 W 20100505
- DE 102009020954 A 20090512
- DE 102009050987 A 20091028

Abstract (en)

[origin: DE102009050987B3] The planar, curved, spherical or cylindrical shaped thin film solar cell comprises sodium oxide-containing multicomponent substrate glass, which has a content of beta -OH of 25-80 mMol/l. The substrate glass comprises a transformation temperature of greater than 600[deg] C and/or a heat expansion coefficient of greater than $8-9.5 \times 10^{-6} / K$ at 20-300[deg] C. An independent claim is included for a method for the production of a thin film solar cell.

IPC 8 full level

C03C 3/085 (2006.01); **C03C 3/087** (2006.01); **C03C 3/093** (2006.01); **C03C 3/112** (2006.01); **C03C 3/118** (2006.01); **C03C 17/36** (2006.01)

CPC (source: EP US)

C03C 3/087 (2013.01 - EP US); **C03C 3/093** (2013.01 - EP US); **C03C 3/095** (2013.01 - EP US); **C03C 3/112** (2013.01 - EP US); **C03C 3/118** (2013.01 - EP US); **C03C 4/0092** (2013.01 - EP US); **C03C 17/3605** (2013.01 - EP US); **C03C 17/3649** (2013.01 - EP US); **C03C 17/3678** (2013.01 - EP US); **H01L 31/03923** (2013.01 - EP US); **Y02E 10/541** (2013.01 - EP US); **Y02P 70/50** (2015.11 - EP US)

Citation (search report)

See references of WO 2010130359A1

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