

## Title (en)

SOLAR CELL AND SOLAR CELL MODULE WITH ONE-SIDED CONNECTIONS

## Title (de)

SOLARZELLE UND SOLARZELLENMODUL MIT EINSEITIGER VERSCHALTUNG

## Title (fr)

CELLULE PHOTOVOLTAÏQUE ET MODULE DE CELLULES PHOTOVOLTAÏQUES PRÉSENTANT UN SYSTÈME DE CONNEXION SUR UN SEUL CÔTÉ

## Publication

**EP 2324508 A2 20110525 (DE)**

## Application

**EP 09778084 A 20090825**

## Priority

- EP 2009006138 W 20090825
- DE 102008044910 A 20080830

## Abstract (en)

[origin: WO2010022911A2] The invention relates to a solar cell, in particular for connecting to a solar cell module, comprising at least one metallic base contact, at least one metallic emitter contact (5) and a semi-conductor structure having at least one base area and at least one emitter area (3). The base area and emitter area (2,3) are at least partially adjacent to each other forming a pn-junction, the base contact (6) being connected in an electrically conductive manner to the base area (2), the emitter contact (5) being connected in an electrically conductive manner to the emitter area (3) and the solar cells being arranged on the contact side (1) as a base and emitter contact (6,5). Essentially, the solar cell comprises several metallic emitter contacts which are connected in an electrically conductive manner to the emitter area (3) and several metallic base contacts which are connected in an electrically conductive manner to the base area (2). The emitter contacts (5) do not have an electrically conductive connection under each other on the side facing away from the emitter area (3) and the base contacts do not have an electrically conductive connection on the side facing away from the base area (2). The invention also relates to a solar cell module comprising at least two claimed solar cells.

## IPC 8 full level

**H01L 31/0224** (2006.01)

## CPC (source: EP KR US)

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## Citation (search report)

See references of WO 2010022911A2

## Citation (examination)

- WO 2008078741 A1 20080703 - KYOCERA CORP [JP], et al
- WO 2006123938 A1 20061123 - REC ASA [NO], et al
- DE 102006007447 A1 20070712 - TEAMTECHNIK MASCHINEN UND ANLA [DE]

## Designated contracting state (EPC)

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## Designated extension state (EPC)

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## DOCDB simple family (application)

**DE 102008044910 A 20080830**; CN 200980133366 A 20090825; EP 09778084 A 20090825; EP 2009006138 W 20090825; KR 20117007414 A 20090825; US 200913061215 A 20090825