

Title (en)

CONTACTING DEVICE, SOLAR-CELL TESTING DEVICE AND LIGHT SOURCE

Title (de)

KONTAKTIERVORRICHTUNG, SOLARZELLENTESTVORRICHTUNG UND LICHTQUELLE

Title (fr)

DISPOSITIF DE MISE EN CONTACT, DISPOSITIF DE TEST DE CELLULE SOLAIRE ET SOURCE LUMINEUSE

Publication

**EP 4176512 A2 20230510 (DE)**

Application

**EP 21754909 A 20210628**

Priority

- DE 102020117760 A 20200706
- DE 2021100545 W 20210628

Abstract (en)

[origin: WO2022007995A2] The invention relates to a contacting device for electrically contacting a solar cell (3) during the measurement of electrical characteristic data of the solar cell (3), which has a solar-cell surface (30), the contacting device comprising at least one measuring strip (1), which has at least one contact connection point for electrical contact with a solar-cell testing device and is designed to electrically contact the solar cell when the measuring strip (1) is placed onto the solar-cell surface (30), wherein the measuring strip (1) extends, in a longitudinal direction (L) running along the solar-cell surface (30), over a strip length (l), extends, perpendicularly to the longitudinal direction (L) away from the solar-cell surface in a transverse direction (Q), over a strip width (q), and has, perpendicularly to the longitudinal direction (L) and to the transverse direction (Q), a strip thickness (d) which is less than the strip length (l) and the strip height (q), characterized in that the transverse direction (Q) forms an angle (w) not equal to 90° with the solar-cell surface. The invention also relates to a solar-cell testing device for measuring electrical characteristic data of a solar cell (3), comprising the contacting device. The invention also relates to a light source (2) for the solar-cell testing device for measuring electrical characteristic data of a solar cell, comprising at least one lighting module (21).

IPC 8 full level

**H02S 50/10** (2014.01); **H02S 50/15** (2014.01)

CPC (source: EP)

**H02S 50/10** (2014.12); **H02S 50/15** (2014.12); **Y02E 10/50** (2013.01)

Citation (search report)

See references of WO 2022007995A2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

**DE 102020117760 A1 20220113**; EP 4176512 A2 20230510; WO 2022007995 A2 20220113; WO 2022007995 A3 20220331

DOCDB simple family (application)

**DE 102020117760 A 20200706**; DE 2021100545 W 20210628; EP 21754909 A 20210628