



(51) International Patent Classification:
H01L 31/048 (2006.01) *H01L 31/05* (2006.01)

(21) International Application Number:
PCT/US2008/086176

(22) International Filing Date:
10 December 2008 (10.12.2008)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/012,750 10 December 2007 (10.12.2007) US

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

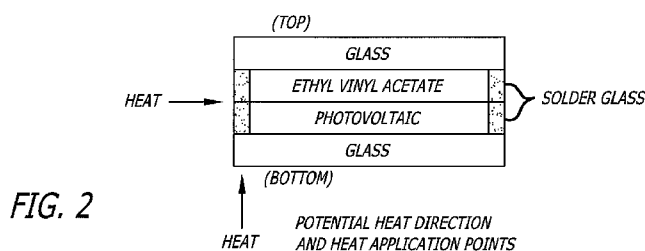
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report (Art. 21(3))
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))

(88) Date of publication of the international search report:
11 September 2009

(54) Title: METHODS FOR BOND OR SEAL GLASS PIECES OF PHOTOVOLTAIC CELL MODULES



(57) Abstract: The apparatus and methods of the present disclosure provide novel ways for bonding or sealing pieces of glass of photovoltaic cell modules. These include providing a first piece of glass having a planar surface, providing a second piece of glass having a second planar surface, providing a photovoltaic cell between the first piece of glass and second piece of glass, providing an amount of solder to at least one solder contact area disposed on at least one of the first or second pieces of glass, bringing the first and second pieces of glass into contact at the at least one solder contact area, and heating the solder to about the melting point or working point of the solder to provide the first and second pieces of glass with a bond or seal at the at least one solder contact area.

INTERNATIONAL SEARCH REPORT

International application No

PCT/US2008/086176

A. CLASSIFICATION OF SUBJECT MATTER

INV. H01L31/048

ADD. H01L31/05

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

H01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	FR 2 853 993 A (DGTEC [FR]; APOLLON SOLAR [FR]) 22 October 2004 (2004-10-22) the whole document	1-56
A	EP 0 199 233 A (SIEMENS AG [DE]) 29 October 1986 (1986-10-29) the whole document	1-56
E	WO 2009/043817 A (GETTERS SPA [IT]; BONUCCI ANTONIO [IT]; RONDENA SERGIO [IT]; LONGONI G) 9 April 2009 (2009-04-09) the whole document	1, 35

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

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Date of the actual completion of the international search

20 July 2009

Date of mailing of the international search report

28/07/2009

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/US2008/086176

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
FR 2853993	A	22-10-2004	CN 1809933 A	26-07-2006
EP 0199233	A	29-10-1986	NONE	
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