



- (51) International Patent Classification:  
H01L 31/18 (2006.01) H01L 21/266 (2006.01)  
H01L 31/068 (2012.01)
- (21) International Application Number:  
PCT/US2012/044025
- (22) International Filing Date:  
25 June 2012 (25.06.2012)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
13/170,792 28 June 2011 (28.06.2011) 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, CL, 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, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, 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, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, 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:  
2 May 2013



WO 2013/003282 A3

(54) Title: USE OF A SHADOW MASK AND A SOFT MASK FOR ALIGNED IMPLANTS IN SOLAR CELLS

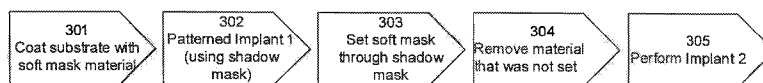


FIG. 4

(57) Abstract: An improved method of implanting a solar cell is disclosed. A substrate is coated with a soft mask material. A shadow mask is used to perform a pattern ion implant and to set the soft mask material. After the soft mask material is set, the mask is removed and a blanket implant is performed.

**INTERNATIONAL SEARCH REPORT**

International application No  
PCT/US2012/044025

<b>A. CLASSIFICATION OF SUBJECT MATTER</b> INV. H01L31/18      H01L31/068      H01L21/266 ADD.		
According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b>		
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 practicable, search terms used) EPO-Internal, WPI Data		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
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<input checked="" type="checkbox"/>	Further documents are listed in the continuation of Box C.	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	See patent family annex.	
* Special categories of cited documents :		
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Date of the actual completion of the international search  11 March 2013		Date of mailing of the international search report  15/03/2013
Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016		Authorized officer  Hoffmann, Niels

## INTERNATIONAL SEARCH REPORT

International application No

PCT/US2012/044025

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

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