(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
6 November 2008 (06.11.2008)

PCT

(10) International Publication Number
WO 2008/132764 A1

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

(21) International Application Number:
PCT/IT2007/000306

(22) International Filing Date: 26 April 2007 (26.04.2007)

(25) Filing Language: English

(26) Publication Language: English

(71) Applicant *(for all designated States except US)*: **SYSTEM S.p.A.** [IT/IT]; Via Ghiarola Vecchia 73, I-41042 Fiorano Modenese (Modena) (IT).

(72) Inventor; and
(75) Inventor/Applicant *(for US only)*: **STEFANI, Franco** [IT/IT]; Via P. Ferrari, 1, I-41049 Sassuolo (Modena) (IT).

(74) Agent: **GIANELLI, Alberto**; Bugnion S.p.A., Via Emilia Est 25, I-41100 Modena (IT).

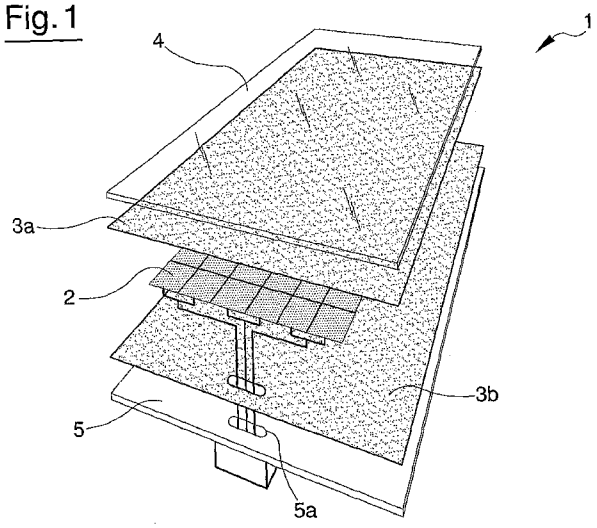
(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, 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, 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, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, 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*

(54) **Title:** A PHOTOVOLTAIC MODULE OR PANEL WITH A CERAMIC SUPPORT SLAB

Fig. 1



(57) **Abstract:** A photovoltaic module (1) comprises a plurality of photovoltaic cells (100), electrically interconnected to define a photo-active surface (2). The photovoltaic cells (100) being closed between a front covering layer (3a) and a back covering layer (3b) which are electrically insulating, the front covering layer (3 a) being frontally covered by a frontal covering element (4) having a mechanical protection function for the photovoltaic cells (100). The back covering layer (3b) being posteriorly supported by a support element, the support element being a ceramic slab of a limited thickness.

WO 2008/132764 A1