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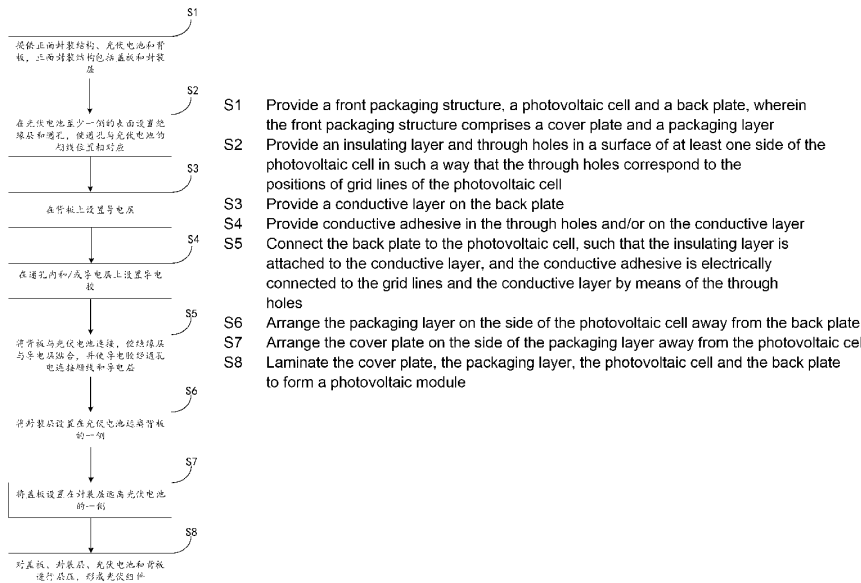
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(81) 指定国(除另有指明, 要求每一种可提供的国家保护): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG,

(54) Title: PREPARATION METHOD FOR PHOTOVOLTAIC MODULE, AND PHOTOVOLTAIC MODULE

(54) 发明名称: 一种光伏组件的制备方法及光伏组件



(57) Abstract: The present application relates to a preparation method for a photovoltaic module, and a photovoltaic module. The preparation method for a photovoltaic module comprises the following steps: providing a front packaging structure, a photovoltaic cell (2) and a back plate (1), wherein the front packaging structure comprises a cover plate (5) and a packaging layer (4); providing an insulating layer (21) and through holes (211) in a surface of at least one side of the photovoltaic cell (2) in such a way that the through holes (211) correspond to the positions of grid lines (20) of the photovoltaic cell (2); providing a conductive layer (11) on the back plate

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BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CV, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, MG, MK, MN, MU, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, ZA, ZM, ZW。

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(1); providing conductive adhesive (3) in the through holes (211) and/or on the conductive layer (11); connecting the back plate (1) to the photovoltaic cell (2), such that the insulating layer (21) is attached to the conductive layer (11), and the conductive adhesive (3) is electrically connected to the grid lines (20) and the conductive layer (11) by means of the through holes (211); arranging the packaging layer (4) on the side of the photovoltaic cell (2) away from the back plate (1); arranging the cover plate (5) on the side of the packaging layer (4) away from the photovoltaic cell (2); and laminating the cover plate (5), the packaging layer (4), the photovoltaic cell (2) and the back plate (1) to form a photovoltaic module.

(57) 摘要: 本申请涉及一种光伏组件的制备方法及光伏组件, 该光伏组件的制备方法包括如下步骤: 提供正面封装结构、光伏电池(2)和背板(1), 正面封装结构包括盖板(5)和封装层(4); 在光伏电池(2)至少一侧的表面设置绝缘层(21)和通孔(211), 使通孔(211)与光伏电池(2)的栅线(20)位置相对应; 在背板(1)上设置导电层(11); 在通孔(211)内和/或导电层(11)上设置导电胶(3); 将背板(1)与光伏电池(2)连接, 使绝缘层(21)与导电层(11)贴合, 并使导电胶(3)经通孔(211)电连接栅线(20)和导电层(11); 将封装层(4)设置在光伏电池(2)远离背板(1)的一侧; 将盖板(5)设置在封装层(4)远离光伏电池(2)的一侧; 对盖板(5)、封装层(4)、光伏电池(2)和背板(1)进行层压, 形成光伏组件。