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(71) Applicant *(for all designated States except US)*: **DAY4 ENERGY INC.** [CA/CA]; 1600 - 609 Granville Street, Canaccord Tower, Vancouver, British Columbia V7Y 1C3 (CA).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **RUBIN, Leonid, B.** [RU/CA]; Suite 303, 1838 Nelson Street, Vancouver, British Columbia V6G 1N1 (CA). **RUBIN, George, L.** [CA/CA]; Suite 801, 1845 Robson Street, Vancouver, British Columbia V6G 1E4 (CA).

(74) Agents: **FETHERSTONHAUGH & CO.** et al.; Box 11560, Vancouver Centre 650 West Georgia Street, Suite 2200 Vancouver, British Columbia V6B 4N8 (CA).

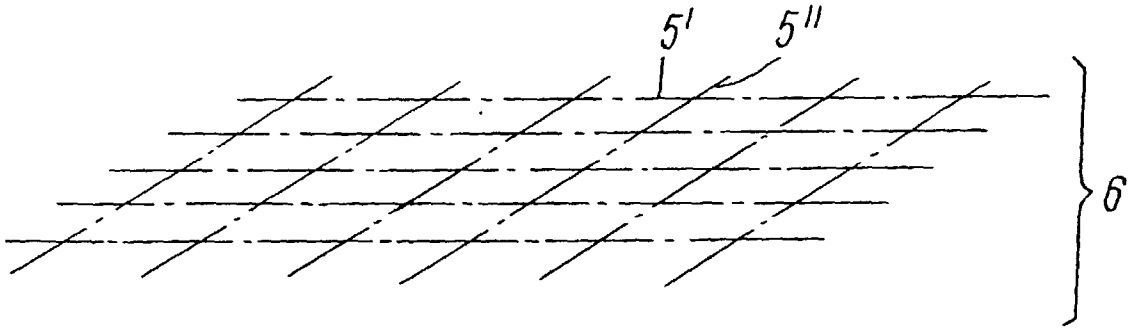
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(54) Title: ELECTRODE FOR PHOTOVOLTAIC CELLS, PHOTOVOLTAIC CELL AND PHOTOVOLTAIC MODULE



(57) Abstract: An electrode is described for contacting an electrically conductive surface, in particular for contacting at least one surface of a photovoltaic element wafer 3, the electrode comprising an electrically insulating optically transparent film 10, an adhesive layer 11 provided on one surface of said film 10, and a first plurality of substantially parallel, electrically conductive wires 5' being embedded into the adhesive layer 11, a part of the surfaces of said wires 5' protruding from the adhesive layer 11 and at least on the surface protruding from the adhesive layer 11 being covered by a coating 2 consisting of an alloy with a low melting point, wherein the wires 5' of the first plurality are electrically connected to a first terminal bar 20. A plurality of said electrodes may be formed as an endless, continuous strip, which can be cut to a length corresponding to that of an array of adjacent photovoltaic elements 3 to be connected for forming a PV module, wherein the wires 5' running in longitudinal direction of the strip are cut at distances corresponding to the distances of the PV cells. A PV cell or a PV module comprising at least one electrode 16 or one electrode strip 16 as described above may comprise one or more photovoltaic cells 3 with an electrically conductive, antireflective, optically transparent coating 4 on at least one of its surfaces, the wires 5' of the first plurality being soldered onto the coating 4 and onto the respective terminal bars 20 or terminal frames 17 by means of the alloy 2.

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