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(54) **Title:** APPARATUS AND METHOD FOR CLEANING PHOTOVOLTAIC DEVICES

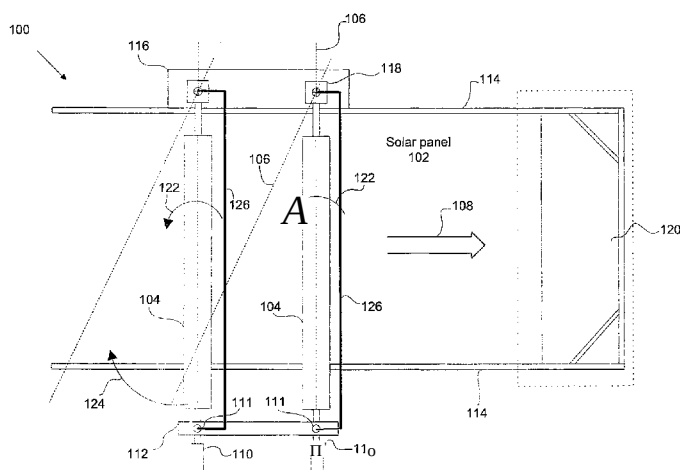


FIG. 1A

(57) **Abstract:** Embodiments of solar panel cleaning apparatuses, solar panel cleaning systems, and solar panel cleaning methods are disclosed. In certain embodiments, the disclosed solar panel cleaning apparatuses, systems and methods do may not require any wa-
ter or other cleaning liquids in the whole cleaning process, which makes them prominent well suited in for water-deficit environ-
ments such as deserts. In one embodiment, the solar panel cleaning apparatus comprises one or more rotatable brushes each having a
rotational axis and a drive configured to move each of the one or more rotatable brushes in a direction that is not perpendicular to the
rotational axis. The solar panel cleaning apparatus is may be configured such that the angle of the rotational axis of at least one of
the one or more rotatable brushes is adjustable relative to the direction of travel.



INTERNATIONAL SEARCH REPORT

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

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C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2007/084483 A1 (FREER ERIK M [US] ET AL) 19 April 2007 (2007-04-19) paragraph [0032] - paragraphs [0034], [0040]; figures 3a-4 -----	1-33
X	JP 2011 040592 A (PLUS ONE KK) 24 February 2011 (2011-02-24) abstract; figures 1,4 -----	1-33
X	US 2001/010103 A1 (KONISHI NOBUO [JP] ET AL) 2 August 2001 (2001-08-02) paragraph [0028] - paragraph [0042]; figures 2-5 -----	1-33



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INTERNATIONAL SEARCH REPORT

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