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(54) Title: PHOTOVOLTAIC ROOFING PANELS, PHOTOVOLTAIC ROOFING ASSEMBLIES, AND ROOFS USING THEM

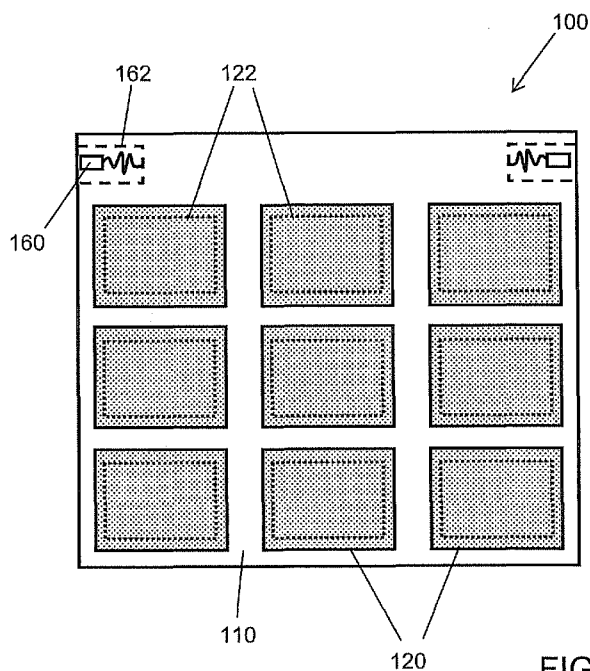


FIG. 1

(57) Abstract: The present invention relates generally to photovoltaic devices, and more particularly to photovoltaic roofing products in which photovoltaic elements are affixed to roofing substrates. In one embodiment of the invention, a photovoltaic roofing panel comprising a roofing panel substrate having a top surface; and at least six discrete photovoltaic elements affixed to the roofing panel substrate with their photovoltaically-active areas exposed at the top surface of the roofing panel. Another embodiment of the invention is a photovoltaic roofing assembly comprising: a plurality of discrete photovoltaic roofing elements, each comprising one or more photovoltaic elements affixed to a roofing substrate; and a joining member, wherein the plurality of photovoltaic roofing elements are disposed on and affixed to the joining member and are electrically interconnected.



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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 2002/043031 A1 (EGUCHI YOSHIHITO [JP] ET AL) 18 April 2002 (2002-04-18) paragraph [0040] - paragraph [0051]; figures 1-4	1-25
X	US 2006/042682 A1 (WOLFE PHILIP R [GB] ET AL) 2 March 2006 (2006-03-02) paragraph [0022] - paragraph [0033]; figures 4-12	1-25
A	WO 01/75377 A (ERLING-PETER STUART [AU]) 11 October 2001 (2001-10-11) page 7, line 5 - page 11, line 35; figures 1-3	1-25

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