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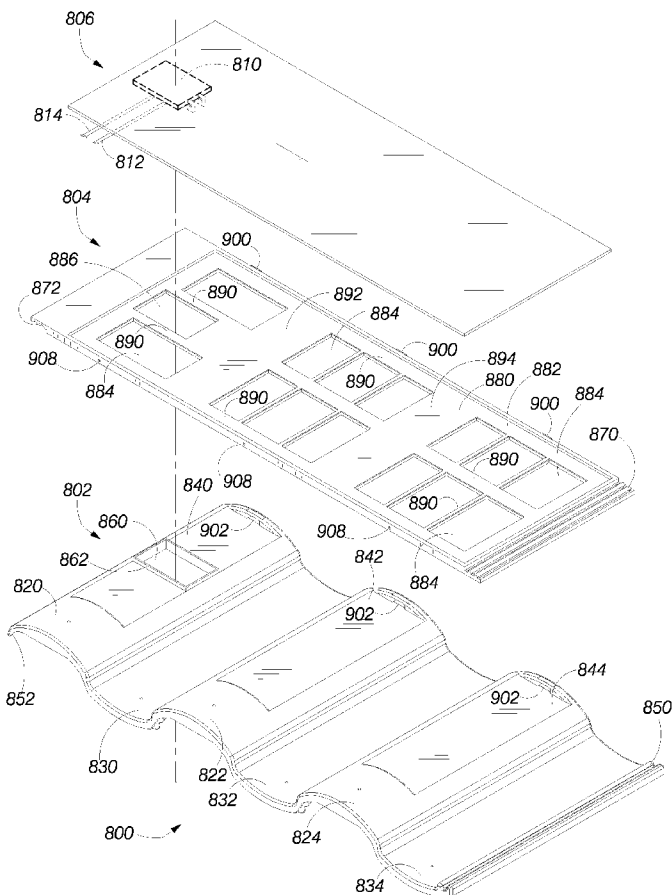
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(54) Title: PROFILE ROOF TILE WITH INTEGRATED PHOTOVOLTAIC MODULE



(57) Abstract: A roofing module (800) provides weather protection generates electrical power. The module (800) comprises a base (802) having a plurality of curved crests (820, 822, 824) and curved pans (830, 832, 834). The crests (820, 822, 824) and pans (830, 832, 834) have contours sized and shaped to match the size and shape of the contours and pans of conventional clay or concrete S-tiles to enable the base to interlock with the conventional clay or concrete S-tiles. The base (802) is made from lightweight plastic material. Each crest of the base includes a depressed portion (840, 842, 844). A photovoltaic panel (806, 804) is positioned in the depressed portions of at least two curved crests and span across at least one curved pan between the at least two curved crests.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
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USPC - 136/244
According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED
Minimum documentation searched (classification system followed by classification symbols)
IPC(8) - E04D 13/18 (2007.10)
USPC - 136/244, 251, 291

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6,201,179 B1 (DALACU) 13 March 2001 (13.03.2001) entire document	1-10
Y	US 6,365,824 B1 (NAKAZIMA et al) 02 April 2002 (02.04.2002) entire document	1-10
Y	US 2004/0000334 A1 (RESSLER) 01 January 2004 (01.01.2004) entire document	3,6
Y	US 6,489,552 B2 (YAMAWAKI et al) 03 December 2002 (03.12.2002) entire document	3-4,7-10
Y	US 5,228,925 A (NATH et al) 20 July 1993 (20.07.1993) entire document	5,9
Y	US 5,768,831 A (MELCHIOR) 23 June 1998 (23.06.1998) entire document	10

Further documents are listed in the continuation of Box C.

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