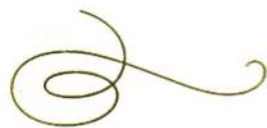


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The Director

of the United States Patent and Trademark Office has received an application for a patent for a new and useful invention. The title and description of the invention are enclosed. The requirements of law have been complied with, and it has been determined that a patent on the invention shall be granted under the law.

Therefore, this United States

Patent

grants to the person(s) having title to this patent the right to exclude others from making, using, offering for sale, or selling the invention throughout the United States of America or importing the invention into the United States of America, and if the invention is a process, of the right to exclude others from using, offering for sale or selling throughout the United States of America, products made by that process, for the term set forth in 35 U.S.C. 154(a)(2) or (c)(1), subject to the payment of maintenance fees as provided by 35 U.S.C. 41(b). See the Maintenance Fee Notice on the inside of the cover.

Ander Lane

DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE



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(54) **METHOD OF CONSTRUCTION OF A WALL HEATING PANEL AND A WALL HEATING PANEL**

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

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(58) **Field of Classification Search**
CPC **E04F 13/12**; **E04F 2290/023**; **F24D 2220/07**; **F24D 3/125**; **F24D 3/142**;
(Continued)

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(57) **ABSTRACT**

The method of construction of a wall heating panel and a wall heating panel consists in constructing an aluminium multi-channel collector, preferably with one phase transition channel, connecting it inseparably with vertical aluminium heating elements, arranging the heating elements in the grooves of a dry wall construction board, preferably magnesium, and filling the space between the grooves and the heating elements with elastic compound, and then applying paper—aluminium foil laminate onto the whole surface of the board. A wall heating panel consists of an aluminium collector (1) with stub pipes (2), inside the collector there are horizontal parallel phase transition channels (3) and a water channel (4), the phase transition channel (3) is inseparably connected with the vertical aluminium heating elements (5) which are inserted into the grooves of the dry wall construction board (6), spaces between the grooves and the heating elements are filled with elastic compound (7) and sealed with paper—aluminium foil laminate (8), whereas the top part of the collector (1) adjoins the bottom surface of the board (6).