

Title (en)
METHOD OF CONSTRUCTION OF A WALL HEATING PANEL AND A WALL HEATING PANEL

Title (de)
VERFAHREN ZUR HERSTELLUNG EINER WANDHEIZPLATTE UND WANDHEIZPLATTE

Title (fr)
PROCÉDÉ DE CONSTRUCTION D'UN PANNEAU CHAUFFANT MURAL, ET PANNEAU CHAUFFANT MURAL

Publication
EP 3204696 B8 20190327 (EN)

Application
EP 15775276 A 20150826

Priority
• PL 40929614 A 20140828
• PL 2015000139 W 20150826

Abstract (en)
[origin: WO2016032351A1] 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).

IPC 8 full level
E04F 13/12 (2006.01); **E04C 2/04** (2006.01); **E04C 2/52** (2006.01); **F24D 3/12** (2006.01); **F24D 3/14** (2006.01); **F28D 15/02** (2006.01); **F28D 15/06** (2006.01); **F28D 21/00** (2006.01)

CPC (source: EP US)
E04C 2/043 (2013.01 - EP US); **E04C 2/525** (2013.01 - EP US); **E04F 13/12** (2013.01 - EP US); **F24D 3/125** (2013.01 - EP US); **F24D 3/142** (2013.01 - EP US); **F28D 15/02** (2013.01 - EP US); **F28D 15/0275** (2013.01 - EP US); **F28D 15/06** (2013.01 - US); **E04F 2290/023** (2013.01 - EP US); **F24D 2220/07** (2013.01 - EP US); **F28D 2021/0035** (2013.01 - EP US); **Y02B 30/00** (2013.01 - EP US)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2016032351 A1 20160303; CA 2972749 A1 20160303; DK 3204696 T3 20190225; EP 3204696 A1 20170816; EP 3204696 B1 20181031; EP 3204696 B8 20190327; PL 228336 B1 20180330; PL 3204696 T3 20190531; PL 409296 A1 20160229; US 10139114 B2 20181127; US 2018003396 A1 20180104

DOCDB simple family (application)
PL 2015000139 W 20150826; CA 2972749 A 20150826; DK 15775276 T 20150826; EP 15775276 A 20150826; PL 15775276 T 20150826; PL 40929614 A 20140828; US 201515538665 A 20150826