

Title (en)
Dispositif de chauffage

Title (de)
Heizvorrichtung

Title (fr)
Heating device

Publication
EP 2685784 B1 20160914 (DE)

Application
EP 12290232 A 20120711

Priority
EP 12290232 A 20120711

Abstract (en)
[origin: EP2685784A1] The heating device has a heating register (10) including a layered heating element (20) for converting electrical energy into heat, and an electrically insulating and heat-conducting insulating layer (50) contacting a side of the layered heating element. An abrasion-counteracting sliding layer (130) is arranged between the insulating layer and the layered heating element, where the insulating layer and the layered heating element have a pairing material with which the abrasion of contact surfaces falls below a predetermined limit value.

IPC 8 full level
H05B 3/44 (2006.01); **F24H 3/04** (2006.01)

CPC (source: EP US)
H05B 3/24 (2013.01 - EP US); **H05B 3/44** (2013.01 - US); **F24H 3/0429** (2013.01 - EP US); **H05B 2203/02** (2013.01 - EP US);
H05B 2203/023 (2013.01 - EP US)

Cited by
WO2020254393A1; EP4242547A1; DE102021112690A1; EP4243568A1

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)
EP 2685784 A1 20140115; EP 2685784 B1 20160914; JP 2014017251 A 20140130; JP 6210196 B2 20171011; US 2014014645 A1 20140116;
US 9345071 B2 20160517

DOCDB simple family (application)
EP 12290232 A 20120711; JP 2013127097 A 20130618; US 201313939594 A 20130711