

Title (en)
RADIATOR

Title (de)
HEIZKÖRPER

Title (fr)
RADIATEUR

Publication
EP 2174067 B1 20141217 (DE)

Application
EP 08748912 A 20080409

Priority
• EP 2008002963 W 20080409
• DE 102007036141 A 20070731

Abstract (en)
[origin: WO2009015706A1] The invention relates to a heating element, particularly a flat heating element or a heating wall for part-load operation. Said heating element comprises an inlet connection (VL), an outlet connection (RL), a first penetrated heating plate (1) which preferably faces the space that is to be heated, at least one more penetrated heating plate (1') which is preferably disposed behind the first heating plate (1), connection pieces (a, b, c, d) that are arranged between the upper and lower end regions of the heating plates (1, 1'), and a heating element valve (2) for regulating the total mass flow of a heating medium. The first heating plate (1) is penetrated in a substantially even manner before the other heating plates (1') by selectively placing blocking members (4) in at least one of the connection pieces (a, b, c, d). Another heating element valve (3) which allows the mass flow of the heating medium to be conducted into the rear heating plate (1') via an overflow connection (5) is integrated into one of the upper connection pieces (a, b).

IPC 8 full level
F24H 9/12 (2006.01)

CPC (source: EP US)
F24D 19/0012 (2013.01 - EP); **F24D 19/0024** (2013.01 - EP); **F24D 19/0073** (2013.01 - EP); **F24D 19/1018** (2013.01 - EP US);
F24D 2220/2054 (2013.01 - EP)

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

DOCDB simple family (publication)
DE 102007036141 A1 20090205; CN 101772679 A 20100707; EP 2174067 A1 20100414; EP 2174067 B1 20141217; PL 2174067 T3 20150430;
RU 2010107382 A 20110910; RU 2457406 C2 20120727; WO 2009015706 A1 20090205

DOCDB simple family (application)
DE 102007036141 A 20070731; CN 200880024639 A 20080409; EP 08748912 A 20080409; EP 2008002963 W 20080409;
PL 08748912 T 20080409; RU 2010107382 A 20080409