

Title (en)
Infrared radiator

Title (de)
Infrarot-Strahler

Title (fr)
Radiateur infrarouge

Publication
EP 2151523 B1 20110928 (DE)

Application
EP 09165020 A 20090709

Priority
DE 102008041045 A 20080806

Abstract (en)
[origin: EP2151523A1] The radiator (1) has a gas permeable plate (4) for closing a mixing chamber (3). A combustion chamber (5) is attached to the gas permeable plate and is limited by a pre-radiator body (6) that consists of bars (7). The bars are provided with a cross section over a large part of the length of the bars, where the contour of the cross section has length-increasing deviations in recesses and/or bulges by a geometrical basic shape on a partial periphery. The radiator is made of silicon carbide, molybdenum silicide or iron-chromium-aluminum present in heating conductor alloy.

IPC 8 full level
D21F 5/00 (2006.01); **F23D 14/12** (2006.01); **F24C 15/24** (2006.01)

CPC (source: EP US)
D21F 5/002 (2013.01 - EP); **F23D 14/145** (2013.01 - EP); **F23D 14/148** (2021.05 - EP US); **F24C 3/042** (2013.01 - EP); **F23D 2900/00003** (2013.01 - EP)

Cited by
CN110524935A; WO2018197069A1

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 MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)
EP 2151523 A1 20100210; EP 2151523 B1 20110928; AT E526452 T1 20111015; DE 102008041045 A1 20100211

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