

Title (en)
Ceramic radiator

Title (de)
Keramikstrahler

Title (fr)
Radiateur céramique

Publication
EP 1729063 A1 20061206 (EN)

Application
EP 05460015 A 20050603

Priority
EP 05460015 A 20050603

Abstract (en)
A ceramic radiator supplied with gas is characterized with a higher radiation efficiency thus being more economic as compared with the known devices of this type. In the supply system of the radiator there are placed a mixer (11) and a radial-flow fan (12) for preparing an air and gas mixture of appropriate proportions as well as mixing and feeding it by 3 to 30 mbar overpressure to the main body chamber (1) containing an emitter in the form of perforated ceramic plates (2). The supply system consists of a gas connection (5) that supplies gas to the electric valve (6) and that valve through screw joint (7), gas nozzle (8) placed in the port (9) and air supply controller (10) is connected with the air and gas mixer (11) and radial-flow fan chamber (12) of a variable rotational speed through a screw joint (7), a gas nozzle (8) placed in the port (9) and an air supply controller (10). An electronically controlled igniter (14) on the surface of the ceramic plates (2) initiates the ignition. In case of voltage failure or break in gas supply the radiator is switched-off automatically.

IPC 8 full level
F23D 14/14 (2006.01); **F23D 14/16** (2006.01)

CPC (source: EP US)
F23D 14/145 (2013.01 - EP US); **F23D 14/151** (2021.05 - EP US); **F23D 14/16** (2013.01 - EP)

Citation (search report)
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Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR LV MK YU

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