

Title (en)
CATALYTIC RADIATING HEATING APPLIANCE

Title (de)
KATALYTISCHE STRAHLUNGS- UND ERWÄRMUNGSANWENDUNG

Title (fr)
APPAREIL DE CHAUFFAGE RADIANT DU TYPE CATALYTIQUE

Publication
EP 2245368 A1 20101103 (FR)

Application
EP 09716159 A 20090225

Priority
• CH 2009000076 W 20090225
• CH 2802008 A 20080227

Abstract (en)
[origin: WO2009105907A1] The invention relates to a catalytic radiating heating appliance that comprises at least one catalytic cell (11) including a catalytic combustion chamber (15) associated with a gas diffuser (16) supplied by an external supply source and adapted for diffusing a fuel gas on a catalyst (17a) on which is arranged a diffusion structure (17b) adapted for ensuring a substantially homogenous distribution of said fuel gas. The catalyst (17a) is adapted for oxidising hydrogen injected into the catalytic combustion chamber (15) and diffused by the gas diffuser (16). The appliance further includes a means (22) for controlling and monitoring the gas supply, a means (23) for controlling the inner temperature of the catalytic combustion chamber (15), and a means for generating a thermal radiation.

IPC 8 full level
F23C 13/04 (2006.01); **F23D 14/18** (2006.01)

CPC (source: EP US)
F23C 13/04 (2013.01 - EP); **F23D 14/18** (2013.01 - EP US); **F24C 3/062** (2013.01 - EP); **F23C 2900/9901** (2013.01 - EP); **F23D 2203/106** (2013.01 - EP); **F23D 2203/107** (2013.01 - EP); **F23D 2208/10** (2013.01 - EP); **F23D 2900/14001** (2013.01 - EP)

Citation (search report)
See references of WO 2009105907A1

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 TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
WO 2009105907 A1 20090903; EP 2245368 A1 20101103

DOCDB simple family (application)
CH 2009000076 W 20090225; EP 09716159 A 20090225