

Title (en)

METHOD TO MANUFACTURE A GAS FIRED RADIANT EMITTER

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES GASBEHEIZTEN WÄRMESTRAHLERS

Title (fr)

PROCÉDÉ DE FABRICATION D'UN ÉMETTEUR RAYONNANT À GAZ

Publication

**EP 2888529 A1 20150701 (EN)**

Application

**EP 13756049 A 20130822**

Priority

- EP 12290280 A 20120824
- EP 2013067467 W 20130822
- EP 13756049 A 20130822

Abstract (en)

[origin: WO2014029846A1] The invention relates to a method for manufacturing a gas fired radiant emitter with increased emissivity. The method comprises the steps of - providing a porous ceramic burner deck, e.g. a perforated ceramic burner deck, - applying a wet coating layer on the porous ceramic burner deck, wherein the wet coating layer comprises ceramic particles and/or metallic particles that will form a coating layer with increased emissivity compared to the porous ceramic burner deck without the coating layer, - sintering and/or curing the coating layer, whereby the sintering and/or curing is performed by operating the gas fired radiant emitter in which the porous ceramic burner deck is mounted, via supplying combustible gas to the radiant emitter and igniting the combustible gas after it has flown through the porous ceramic burner deck, whereby the uncured and/or unsintered coating layer is transformed into a sintered and/or cured coating layer adhering to the porous ceramic burner deck via sintered and/or cured bonds.

IPC 8 full level

**F23D 14/16** (2006.01); **C04B 38/06** (2006.01); **C04B 41/45** (2006.01)

CPC (source: EP)

**F23D 14/16** (2013.01); **F23D 2203/105** (2013.01); **F23D 2203/106** (2013.01); **F23D 2212/10** (2013.01)

Citation (search report)

See references of WO 2014029846A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**WO 2014029846 A1 20140227**; EP 2888529 A1 20150701; EP 2888529 B1 20200930

DOCDB simple family (application)

**EP 2013067467 W 20130822**; EP 13756049 A 20130822