

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

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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

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