Title (en)

HEATING APPLIANCE COVERED WITH A SELF-CLEANING COATING AND PRODUCTION METHOD THEREOF

Title (de)

MIT EINER SELBSTREINIGENDEN BESCHICHTUNG BEDECKTE HEIZANWENDUNG UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)

APPAREIL CHAUFFANT RECOUVERT D'UN REVETEMENT AUTONETTOYANT ET SON PROCEDE DE FABRICATION

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Application

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Abstract (en)

[origin: WO2012072944A1] The present invention relates to a heating appliance (1) including a metal substrate (2), at least a part of which is covered with a self-cleaning coating including at least one oxidation catalyst selected from the platinoid oxides, and at least one dopant of said oxidation catalyst selected from the rare-earth oxides. According to the invention, the self-cleaning coating (4) is a bilayer coating including: an inner layer (3) at least partially covering the metal substrate (2) and including the dopant; and an outer layer (4) in contact with the ambient air and including the oxidation catalyst. The present invention also relates to a method for producing such a heating appliance.

IPC 8 full level

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