

Title (en)

HEATING DEVICE COATED WITH A SELF-CLEANING COATING

Title (de)

MIT EINER SELBSTREINIGENDEN BESCHICHTUNG BESCHICHTETES HEIZGERÄT

Title (fr)

APPAREIL CHAUFFANT RECOUVERT D UN REVETEMENT AUTONETTOYANT

Publication

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Application

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Abstract (en)

[origin: US2006151474A1] The invention relates to a heating device ( 1 ) comprising a metallic substrate ( 2 ) whose at least one part is coated with a self-cleaning coating. The inventive coating consists of an external layer ( 4 ) contacting ambient air and comprising at least one type of oxidation catalyst selected from platinoid oxides, at least one internal layer ( 3 ) which is arranged between the metallic substrate and the external layer and comprises at least one type of oxidation catalyst selected from transition elements oxides of 1 b group. The inventive heating device can be embodied, for instance in the form of an iron soleplate consisting of a heating base ( 6 ) provided with heating elements ( 7 ) or a cooking appliance. Said metallic substrate can be covered with an intermediary enamel layer ( 5 ). A method for coating the metallic substrate of a heating device with said coating is also disclosed.

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