

Title (en)
AUTONOMOUS ELECTRICALLY STIMULATED RADIATOR

Title (de)
FREISTEHENDER ELEKTRISCH STIMULIERTE HEIZKÖRPER

Title (fr)
RADIATEUR AUTONOME STIMULÉ ÉLECTRIQUEMENT

Publication
EP 2938933 B1 20180912 (EN)

Application
EP 13830084 A 20131230

Priority
• GR 20120100661 A 20121231
• GR 20130100706 A 20131223
• GR 2013000071 W 20131230

Abstract (en)
[origin: WO2014102555A1] The autonomous electrically stimulated radiator used for heating purposes inside buildings comprises the electronic processing unit (1) area (2) and water (7) sensors; priority controller (3); power unit (4); radiator (5); plastic core (6); curved metal plates (8); metal rod (9); metal neutral spacer (10); and the electrode sealing and connecting screw (11). The electrically stimulated radiator takes advantage of the heat that is rapidly generated when alternating current flows through streams of liquid. This is achieved by using metal plates and a compact cylindrical rod arranged inside a plastic core. Self-regulation of the electric load for simultaneous operation with other power-consuming electric appliances and the avoidance of concurrency of power consumption by several electrically stimulated radiators, are ensured by using the priority controller (3), the electronic processing unit (1) and the power unit (4).

IPC 8 full level
F24H 3/00 (2006.01); **F24H 9/20** (2006.01)

CPC (source: EP)
F24H 3/004 (2013.01)

Citation (examination)
WO 2009100486 A1 20090820 - MICROHEAT TECHNOLOGIES PTY LTD [AU], et al

Designated contracting state (EPC)
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