Title (en)

HEATING SYSTEM

Title (de)

HEIZSYSTEM

Title (fr)

SYSTÈME DE CHAUFFAGE

Publication

EP 2299777 A1 20110323 (EN)

Application

EP 08761562 A 20080507

Priority

- ES 2008000317 W 20080507
- ES 200800901 U 20080430

Abstract (en)

Heating system comprising an electric heater with a laminar structure formed by an extractable plate provided with an electricity conductive layer and a radiant heat-emitting layer that emits radiant heat when an electric heat source is applied by way of an electric circuit of multiple conductor cables within the heating layer, being provided with means for regulating the intensity of the radiant heat emitted and means for rapid installation/extraction, in such a way that the radiant heat-emitting layer can be maintained at a temperature of 80-110ºC with an energy density of 750-800 w/m 2 . Thus, a highly-efficient heating system based on infrared radiation is obtained, allowing an energy saving that can reach 30%, and up to 50% in areas with large losses of air or in partially open spaces, therefore an economic saving.

IPC 8 full level

H05B 3/26 (2006.01); **F24C 7/04** (2006.01)

CPC (source: EP US)

F24C 7/043 (2013.01 - EP US); **H05B 3/26** (2013.01 - EP US); H05B 2203/014 (2013.01 - EP US); H05B 2203/017 (2013.01 - EP US); H05B 2203/032 (2013.01 - EP US)

Citation (third parties)

Third party :

- KR 100800119 B1 20080131
- KR 100800119 B1 20080131

Cited by

EP3756452A3; FR3097720A1; FR3097942A1; EP3756456A3; FR3097941A1

Designated contracting state (EPC)

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Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

EP 2299777 A1 20110323; **EP 2299777 A4 20130403**; BR PI0822246 A2 20150623; ES 1067976 U 20080801; ES 1067976 Y 20081101; IL 208985 A0 20110131; RU 2010148747 A 20120610; RU 2476032 C2 20130220; US 2011200310 A1 20110818; WO 2009133214 A1 20091105

DOCDB simple family (application)

EP 08761562 A 20080507; BR PI0822246 A 20080507; ES 2008000317 W 20080507; ES 200800901 U 20080430; IL 20898510 A 20101028; RU 2010148747 A 20080507; US 99028408 A 20080507