

Title (en)

Radiator, particularly for heating systems or the like, with high thermal performance and very quiet operation

Title (de)

Heizkörper, insbesondere für Heizsysteme u.ä., mit hoher Heizleistung und sehr leisem Betrieb

Title (fr)

Radiateur, en particulier pour systèmes de chauffage et similaires, doté d'une performance thermique élevée et d'un fonctionnement très silencieux

Publication

**EP 2012080 A3 20100407 (EN)**

Application

**EP 08158106 A 20080612**

Priority

IT MI20071332 A 20070704

Abstract (en)

[origin: EP2012080A2] A radiator (1a), particularly for heating systems or the like, with high thermal performance and very quiet operation, comprising a radiator body (2a) in which there is a chamber (3a) which is separated hermetically from the outside environment, the chamber (3a) being filled partially with a liquid (4a) which gathers on the bottom of the chamber and being in partial vacuum at ambient temperature, the radiator (1a) being provided with means (5a) for heating the liquid (4a) which are separated with a liquid-tight seal from the liquid by a heat exchange surface (6a), the heat exchange surface (6a) emerging at least partially from the free surface of the liquid (4a) contained in the chamber (3a), a capillary structure (7a) being provided which lies at least between the free surface of the liquid (4a) and the heat exchange surface (6a) and being adapted to convey the liquid (4a) onto the heat exchange surface (6a).

IPC 8 full level

**F28D 1/02** (2006.01); **F24H 3/00** (2006.01); **F28D 15/04** (2006.01)

CPC (source: EP)

**F24H 3/004** (2013.01); **F28D 1/0226** (2013.01); **F28D 15/04** (2013.01); **F28F 2265/28** (2013.01)

Citation (search report)

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