

Title (en)

Radiator with radiating plate having high efficiency

Title (de)

Heizung mit hoch wirksamer Heizplatte

Title (fr)

Radiateur avec plaque de rayonnement disposant d'une haute efficacité

Publication

EP 2045554 A3 20121107 (EN)

Application

EP 08165160 A 20080925

Priority

IT MI20071883 A 20071002

Abstract (en)

[origin: EP2045554A2] The radiator (1) with radiating plate (2) having high efficiency comprises a plate (2) that bears at least one manifold (3, 18) whereinto is fastened at least one tube (4) for conveying a heat-carrying fluid. The plate (2) presents at least one groove (6) in which is inserted the tube (4). The tube (4) and the groove (6) present at least one coil portion (11) defined by a plurality of first segments (12) substantially parallel to each other and able to assume a substantially horizontal position when the radiator (1) is installed, and second segments (13) interposed between said first segments (12).

IPC 8 full level

F28D 1/047 (2006.01); **F28F 1/22** (2006.01); **F28F 1/32** (2006.01)

CPC (source: EP US)

F28D 1/0477 (2013.01 - EP US); **F28F 1/22** (2013.01 - EP US); **F28D 2001/0293** (2013.01 - EP US); **F28F 9/0253** (2013.01 - EP US); **F28F 2275/025** (2013.01 - EP US); **F28F 2275/12** (2013.01 - EP US)

Citation (search report)

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- [XP] EP 1870654 A2 20071226 - HOTECH DI CASASSA M & C S N C [IT]
- [X] EP 1568958 A1 20050831 - ZEHNDER VERKAUF VERWALTUNG [CH]
- [X] GB 769929 A 19570313 - PORTER & CO SALFORD LTD T
- [X] JP 2003302068 A 20031024 - YAMAGAMI TADASHI

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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

EP 2045554 A2 20090408; **EP 2045554 A3 20121107**; CA 2640009 A1 20090402; IT MI20071883 A1 20090403; RU 2008139156 A 20100510; US 2009084533 A1 20090402

DOCDB simple family (application)

EP 08165160 A 20080925; CA 2640009 A 20080930; IT MI20071883 A 20071002; RU 2008139156 A 20081001; US 24400208 A 20081002