

Title (en)

Immersion heating device that could be used particularly in a water circulating heating radiator

Title (de)

Tauchheizkörper formende Vorrichtung zur Verwendung insbesondere in Heizkörpern von Heisswasserkreislaufheizungen

Title (fr)

Dispositif formant thermoplongeur pouvant être utilisé notamment dans un radiateur de chauffage à circulation d'eau

Publication

EP 1156704 A1 20011121 (FR)

Application

EP 01401278 A 20010516

Priority

FR 0006296 A 20000517

Abstract (en)

The thermal insert consists of a heating cartridge (3) within a sealed tube (1) which contains a heat carrying liquid (2). The cartridge includes a resistor (5), thermal cut-out (8) with parallel resistor (9) to maintain a cut-out operation until water circulation is restored and a fuse (12) to protect against electrical faults. An independent claim is made for a radiator which uses the thermal insert.

IPC 1-7

H05B 3/82; **H05B 3/48**; **H05B 1/02**

IPC 8 full level

H05B 1/02 (2006.01); **H05B 3/48** (2006.01); **H05B 3/82** (2006.01)

CPC (source: EP)

H05B 1/0213 (2013.01); **H05B 1/0283** (2013.01); **H05B 3/48** (2013.01); **H05B 3/82** (2013.01)

Citation (search report)

- [DA] EP 0949846 A1 19991013 - ACOVA [FR]
- [A] US 4797534 A 19890110 - PRAGER LEE A [US], et al

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EP1796433A1; FR3075551A1; EP2073602A3; EP1655546A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

EP 1156704 A1 20011121; **EP 1156704 B1 20030219**; AT E233038 T1 20030315; DE 60100107 D1 20030327; ES 2193126 T3 20031101; FR 2809276 A1 20011123; FR 2809276 B1 20020719

DOCDB simple family (application)

EP 01401278 A 20010516; AT 01401278 T 20010516; DE 60100107 T 20010516; ES 01401278 T 20010516; FR 0006296 A 20000517