

Title (en)

ELECTRIC RADIATOR WITH CABLE RESISTANCES IMMERSSED IN INERT MATERIAL

Title (de)

ELEKTRISCHER HEIZKÖRPER MIT IN INERTES MATERIAL EINGETAUCHTEN KABELWIDERSTÄNDEN

Title (fr)

RADIATEUR ÉLECTRIQUE AVEC RÉSISTANCES DE CÂBLE IMMERGÉES DANS UN MATÉRIAU INERTE

Publication

EP 3561398 A1 20191030 (EN)

Application

EP 19170416 A 20190419

Priority

IT 201700127783 A 20180423

Abstract (en)

An electric radiator made by the assembly of aluminium elements (1), made with die-casting or extrusion technology characterized in that a heating element used is of the heating cable type, said heating cable comprises: a heating wire (11); a first external silicone sheath (10) wraps the heating wire forming the main insulation; a second silicone sheath (9) forms the secondary insulation and wraps the first external silicone sheath (10); said heating cable is suitably shaped so that it can be inserted into the cavities (15) of said radiator with U-shaped shapes (12) inserted in the cavities (15) of the radiator elements; the inside of each cavity (15) is filled by casting with a mixture of marble aggregates and calcium sulphate powder which is made in a cold solution by mixing fine powders of calcium carbonate and calcium sulphate with water.

IPC 8 full level

F24D 19/00 (2006.01); **F24C 7/06** (2006.01); **F24H 3/00** (2006.01); **F28D 21/00** (2006.01); **H05B 3/56** (2006.01)

CPC (source: EP)

F24C 7/062 (2013.01); **F24D 19/008** (2013.01); **F24H 3/002** (2013.01); **F28D 1/05358** (2013.01); **F28F 1/16** (2013.01); **F28F 21/084** (2013.01); **H05B 3/48** (2013.01); **F24D 2220/2063** (2013.01); **F28D 2021/0035** (2013.01); **F28F 2215/10** (2013.01); **H05B 2203/032** (2013.01)

Citation (search report)

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FR3120683A1

Designated contracting state (EPC)

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3561398 A1 20191030; **EP 3561398 B1 20200603**; ES 2816378 T3 20210405; IT 201700127783 A1 20191023

DOCDB simple family (application)

EP 19170416 A 20190419; ES 19170416 T 20190419; IT 201700127783 A 20180423