

Title (en)

CENTRALHEATING INSTALLATION WITH TWO ENERGY SOURCES

Publication

EP 0080428 B1 19861112 (FR)

Application

EP 82440039 A 19821123

Priority

FR 8122447 A 19811125

Abstract (en)

[origin: EP0080428A1] 1. A central heating installation with two energy sources comprising a closed circuit of a heat transfer liquid circulating between a boiler and a plurality of radiators distributed over the various parts of the building to be heated, according to which installation at least one radiator is equipped with an electrical heating element (2) disposed in the lower collector of the radiator, said installation being characterized in that said radiator comprises in its upper collector (1b) means for compensating thermal expansion (3) including an elastically deformable wall (32) limiting an inner chamber (48) immersed in the heat transfer liquid and provided with means (33) for causing its volume to communicate with the surroundings outside said radiator.

IPC 1-7

F24D 13/04; F24H 3/00

IPC 8 full level

F24D 13/04 (2006.01); **F24H 3/00** (2006.01)

CPC (source: EP)

F24D 13/04 (2013.01); **F24H 3/004** (2013.01)

Cited by

WO2010103468A1; EP2742838A1; EP1030131A3; CN100425914C; CN104089325A; EP1077351A1; CN106765516A; EP0382152A3; US11137147B2; CN104033952A; EP0617238A1; ES2416835A1; FR2624588A1; FR2999860A1; US2016273784A2; WO2009127899A3; WO2014125310A3; WO03100326A1; US9574794B2

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