

Title (en)

CLOSED HEATING SYSTEM WITH A HEAT-CONVEYING MEDIUM

Publication

**EP 0223016 A3 19880330 (DE)**

Application

**EP 86113214 A 19860925**

Priority

DE 3534154 A 19850925

Abstract (en)

[origin: EP0223016A2] The heat-conveying medium in this connection contains demineralised water, as a result of which it is possible to leave the heat-conveying medium in the heating circuit practically without limitation. This heating circuit has, for example, a basic element (1) which has two legs (2, 3) standing perpendicularly to one another, which are each provided with at least one connection (12, 14) for one or more heat exchangers (13). The basic element (1) is at the same time connected to a heat pump (10) (Fig. 1). <IMAGE>

IPC 1-7

**F24D 3/00**; **F24D 3/10**; **F24H 1/22**

IPC 8 full level

**F24D 3/00** (2006.01); **F24D 3/10** (2006.01); **F24H 1/22** (2006.01)

CPC (source: EP)

**F24D 3/00** (2013.01); **F24D 3/1066** (2013.01); **F24H 1/225** (2013.01)

Citation (search report)

- US 4280912 A 19810728 - BERRY III W JAMES, et al
- US 4474620 A 19841002 - HALL JAMES W [US]
- DE 1446383 A1 19690807 - DOW CHEMICAL CO
- E. SPRENGER: "Taschenbuch fuer Heizung, Lueftung und Klimatechnik", 56. Ausgabe, 1970, Seiten 584-585, Abschnitt 10: "Wasseraufbereitung bei Zentralheizungen", R. Oldenbourg, Wien, AT; Insgesamt.
- Engineering, Band 217, Nr. 10, Oktober 1977, Seiten 828-830, W.A. TURNER et al.: "Feedwater treatment", Insgesamt.

Cited by

FR2707738A1; FR2890724A1; GR890100628A; NL9300655A; GB2512206A; GB2512206B; WO2004098702A1; WO2014147371A1

Designated contracting state (EPC)

AT BE CH DE FR IT LI NL SE

DOCDB simple family (publication)

**DE 3534154 A1 19870409**; EP 0223016 A2 19870527; EP 0223016 A3 19880330

DOCDB simple family (application)

**DE 3534154 A 19850925**; EP 86113214 A 19860925