

Title (en)
HEAT PUMP-TYPE HEATING SYSTEM

Title (de)
WARMWASSERANLAGE MIT WÄRMEPUMPE

Title (fr)
SYSTEME DE CHAUFFAGE AVEC POMPE DE CHALEUR

Publication
EP 2918922 A1 20150916 (EN)

Application
EP 15159062 A 20150313

Priority
IT MI20140416 A 20140314

Abstract (en)
A heating device (1) for a domestic user fluid (7), comprising at least a compressor (2) suitable to compress an interface fluid (6), at least one evaporator (3) suitable to transfer thermal energy from an exchange fluid (9) to the interface fluid (6), to allow the evaporation of the interface fluid (6), at least one capacitor (4) suitable to transfer thermal energy from the interface fluid (6) to the user fluid (7), an expansion unit (5) suitable to restore at least partially the interface fluid (6) under the conditions of pressure and temperature similar to those before the passaging of the interface fluid (6) in the evaporator (3); a storage tank (8) for the user fluid (7) for domestic use comprising at least one inlet duct (8a) for the user fluid and an outlet duct (8b) for the user fluid. The user fluid (7) and the exchange fluid (9) are the same fluid and are water supplied to the heating device via a supply duct (10) connected to a water supply.

IPC 8 full level
F24D 17/02 (2006.01); **F24D 17/00** (2006.01); **F24D 19/10** (2006.01)

CPC (source: EP US)
F24D 17/02 (2013.01 - EP); **F24D 19/1054** (2013.01 - EP US); **F24D 17/0078** (2013.01 - EP); **F24D 2200/123** (2013.01 - EP)

Citation (applicant)
• EP 0260653 A2 19880323 - DYNAMIC ENERGY RESEARCH [IT]
• WO 8906775 A1 19890727 - MASIANI FRANCO [IT], et al
• DE 3032953 A1 19810402 - VOGEL PUMPEN [AT]
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Citation (search report)
• [XDYI] WO 8906775 A1 19890727 - MASIANI FRANCO [IT], et al
• [X] EP 0114583 A2 19840801 - INDESIT [IT]
• [XYI] DE 102008049954 A1 20100408 - HAHN THOMAS [DE]
• [Y] EP 2487444 A2 20120815 - MITSUBISHI ELECTRIC CORP [JP]

Cited by
CN108151133A; IT201700051542A1; ITUB20153729A1

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

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