

Title (en)
Heat pump

Title (de)
Wärmepumpe

Title (fr)
Pompe à chaleur

Publication
EP 1018627 A3 20001206 (EN)

Application
EP 00200011 A 20000105

Priority
NL 1010979 A 19990107

Abstract (en)
[origin: EP1018627A2] A heat pump comprising a compressor circuit (1-14) including, seen in the direction of flow of the compressor circuit: a compressor (1); a primary part of a first heat exchanger, to be referred to as the condenser (4); an expansion valve (8); and a primary part of a second heat exchanger, to be referred to as the evaporator (11); wherein the compressor (1) is connected with a subframe (4,11,15-17), which subframe (4,11,15-17) is connected, via first damping elements (18,19), with a mounting frame (20,21) which is intended to be fixedly connected to a fixed structure, wherein the first damping elements (18,19) provide vibration isolation between the subframe (4,11,15-17) and the mounting frame (20,21), wherein a control unit (73) regulates the rotational speeds of the heat source circuit pump (23), the central heating circuit pump and/or the compressor (1).

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IPC 8 full level
F25B 30/02 (2006.01); **F25B 41/00** (2006.01); **F25B 49/02** (2006.01); **F25B 30/06** (2006.01)

CPC (source: EP US)
F25B 30/02 (2013.01 - EP US); **F25B 41/40** (2021.01 - EP US); **F25B 49/025** (2013.01 - EP); **F25B 30/06** (2013.01 - EP); **F25B 2500/13** (2013.01 - EP)

Citation (search report)
• [YA] US 4305260 A 19811215 - BACKLUND ANDERS D
• [Y] US 5070708 A 19911210 - MALOSH JAMES B [US], et al
• [A] US 1753944 A 19300408 - REPLOGLE JOHN R
• [A] FR 2532729 A1 19840309 - ROSSIGNOL SA [FR]
• [A] US 5274200 A 19931228 - DAS SATHISH R [US], et al
• [A] US 4449376 A 19840522 - DRAPER ROBERT [US], et al
• [A] DE 3302081 A1 19840726 - STIEBEL ELTRON GMBH & CO KG [DE]

Cited by
NL2003397C2; EP1802928A4; EP2442203A1; DE102007010139B4; EP3945265A1; AT412911B; EP2442052A1; US10337775B2; WO2008132244A3; WO2011025374A1

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