

Title (en)
Heat pump with ejector

Title (de)
Wärmepumpe mit Ejektor

Title (fr)
Pompe à chaleur avec éjecteur

Publication
EP 2570753 B1 20220608 (DE)

Application
EP 12184177 A 20120913

Priority
DE 102011053594 A 20110914

Abstract (en)
[origin: EP2570753A2] The heat pump has two compressor stages and a gas cooler (2) or a condenser, which is operated on the high pressure level of the heat pump. An evaporator (5) is provided, which is operated on the low pressure level of the heat pump. The former compressor stage is formed as a compression ejector (3), which has a pressure connection (3.1), an outlet (3.2) and a suction connection (3.3).

IPC 8 full level
F25B 9/08 (2006.01); **F25B 1/10** (2006.01); **F25B 9/00** (2006.01); **F25B 30/02** (2006.01); **F25B 41/00** (2021.01)

CPC (source: EP)
F25B 1/10 (2013.01); **F25B 9/008** (2013.01); **F25B 9/08** (2013.01); **F25B 30/02** (2013.01); **F25B 41/00** (2013.01); **F25B 2309/061** (2013.01); **F25B 2341/0012** (2013.01)

Cited by
CN110469376A; CN112880221A; US11754320B2; DE102022100491A1; WO2024132024A1

Designated contracting state (EPC)
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EP 2570753 A2 20130320; EP 2570753 A3 20150708; EP 2570753 B1 20220608; DK 2570753 T3 20220912

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