

Title (en)  
Heat pump with ejector

Title (de)  
Wärmepumpe mit Ejektor

Title (fr)  
Pompe à chaleur avec éjecteur

Publication  
**EP 2570753 A3 20150708 (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 1/10** (2006.01); **F25B 9/00** (2006.01); **F25B 9/08** (2006.01); **F25B 30/02** (2006.01)

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)

Citation (search report)

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- [Y] JP 2008139019 A 20080619 - DENSO CORP
- [Y] US 2010313582 A1 20101216 - OH JONGSIK [US], et al
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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

DOCDB simple family (publication)  
**EP 2570753 A2 20130320; EP 2570753 A3 20150708; EP 2570753 B1 20220608; DK 2570753 T3 20220912**

DOCDB simple family (application)  
**EP 12184177 A 20120913; DK 12184177 T 20120913**