

Title (en)  
AIR CONDITIONER

Title (de)  
KLIMAANLAGE

Title (fr)  
CLIMATISEUR

Publication  
**EP 3009773 B1 20180404 (EN)**

Application  
**EP 14810377 A 20140602**

Priority  
• JP 2013122800 A 20130611  
• JP 2014064613 W 20140602

Abstract (en)  
[origin: EP3009773A1] An air conditioning apparatus having a refrigerant circuit configured by connecting a compressor, an outdoor heat exchanger, a first expansion valve (24), a receiver (25), an opening/closing valve, and an indoor heat exchanger, wherein the fully-closing first expansion valve (24) is provided to the refrigerant circuit (10) in a first disposed state in which refrigerant from the receiver (25) flows in to a needle advancing direction side of a valve seat (55). The first expansion valve (24) provided in the first disposed state has a spring (62) for urging a needle (61) in the needle advancing direction.

IPC 8 full level  
**F25B 41/04** (2006.01); **F16K 31/04** (2006.01); **F25B 1/00** (2006.01); **F25B 13/00** (2006.01); **F25B 41/00** (2006.01); **F25B 41/06** (2006.01); **F25B 43/00** (2006.01)

CPC (source: EP)  
**F25B 13/00** (2013.01); **F25B 41/39** (2021.01); **F25B 2313/02741** (2013.01); **F25B 2400/16** (2013.01); **F25B 2600/2513** (2013.01)

Cited by  
DE102015114309A1; DE102015114309B4

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

DOCDB simple family (publication)  
**EP 3009773 A1 20160420; EP 3009773 A4 20160518; EP 3009773 B1 20180404**; AU 2014279254 A1 20160204; AU 2014279254 B2 20161124; AU 2014279254 B9 20161201; AU 2014279254 C1 20170323; CN 105308400 A 20160203; CN 105308400 B 20171027; ES 2673875 T3 20180626; JP 2015017795 A 20150129; JP 5862704 B2 20160216; WO 2014199855 A1 20141218

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