

Title (en)  
Refrigerant cycle apparatus

Title (de)  
Kältekreislaufgerät

Title (fr)  
Appareil à cycle frigorifique

Publication  
**EP 1628088 A3 20060830 (EN)**

Application  
**EP 05017389 A 20050810**

Priority  
JP 2004235405 A 20040812

Abstract (en)  
[origin: EP1628088A2] In a refrigerant cycle apparatus which is operated at a supercritical pressure on a high-pressure side, for a purpose of maintaining or enhancing performances or reducing generation of clogging or a dimension of a capillary tube, a compressor has a first compression element, and a second compression element which compresses a refrigerant compressed by the first compression element, a gas phase refrigerant in an intermediate pressure receiver is sucked into the second compression element of the compressor, a liquid phase refrigerant in the intermediate pressure receiver is pressure reduced in a second pressure reducing device, and introduced into an evaporator, and the first pressure reducing device comprises a capillary tube on an upstream side of the refrigerant, and throttling means on a downstream side of the capillary tube.

IPC 8 full level  
**F25B 1/10** (2006.01); **F25B 9/00** (2006.01); **F25B 41/06** (2006.01)

CPC (source: EP US)  
**F25B 1/10** (2013.01 - EP US); **F25B 9/008** (2013.01 - EP); **F25B 41/39** (2021.01 - EP US); **F25B 5/02** (2013.01 - EP); **F25B 2309/061** (2013.01 - EP); **F25B 2400/13** (2013.01 - EP); **F25B 2400/23** (2013.01 - EP); **F25B 2600/2507** (2013.01 - EP)

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