

Title (en)
EXPANSION VALVE

Title (de)
EXPANSIONSVENTIL

Title (fr)
SOUPAPE DE DETENTE

Publication
EP 1844270 A1 20071017 (DE)

Application
EP 05824153 A 20051222

Priority
• EP 2005013892 W 20051222
• DE 102005003967 A 20050127

Abstract (en)
[origin: DE102005003967A1] An expansion valve (16) for a cooling system, especially using carbon dioxide, comprises a housing with supply inlet (34) and outlet (37) fluidly coupled by an expansion pipe (46), or that has a fluid connection to inlet or outlet. A by-pass valve (36) is in parallel with the expansion pipe and the pipe has an opening cross-section (A_f) of between 0.06 and 0.5 mm².

IPC 8 full level
F25B 41/06 (2006.01)

CPC (source: EP US)
F25B 41/37 (2021.01 - EP US); **F25B 9/008** (2013.01 - EP); **F25B 2309/061** (2013.01 - EP); **F25B 2341/063** (2013.01 - EP); **F25B 2400/0411** (2013.01 - EP); **F25B 2500/01** (2013.01 - EP)

Citation (search report)
See references of WO 2006079408A1

Designated contracting state (EPC)
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