

Title (en)
EXPANSION VALVE FOR AN AIR CONDITIONER

Title (de)
EXPANSIONSVENTIL FÜR EINE KLIMAANLAGE

Title (fr)
SOUPAPE DE DÉTENTE POUR UN SYSTÈME D'AIR CONDITIONNÉ

Publication
EP 1991818 A1 20081119 (DE)

Application
EP 07702921 A 20070120

Priority
• EP 2007000493 W 20070120
• DE 102006004781 A 20060202

Abstract (en)
[origin: WO2007087992A1] The invention relates to an expansion valve for coolant of an air conditioner circuit for mobile applications such as a motor vehicle. Said expansion valve comprises at least one coolant inlet and outlet (2), functional valve mechanisms for actuating and controlling the same, and a pressure-proof envelope (8, 11) which surrounds the valve (1). The invention is characterized in that the expansion valve (1) comprises a valve block (11) in which the coolant inlet and outlet (3), all functional valve mechanisms, and the envelope (8, 11) form an integral part while also comprising an emergency discharge device (12) by means of which the coolant is discharged from the air-conditioning circuit in case of an emergency.

IPC 8 full level
F25B 41/06 (2006.01); **B60H 1/32** (2006.01); **F25B 49/00** (2006.01)

CPC (source: EP US)
B60H 1/00978 (2013.01 - EP US); **B60H 1/3225** (2013.01 - EP US); **F25B 41/345** (2021.01 - EP US); **F25B 49/005** (2013.01 - EP); **Y02B 30/70** (2013.01 - EP)

Citation (search report)
See references of WO 2007087992A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
DE 102006004781 A1 20070809; **DE 102006004781 B4 20071115**; EP 1991818 A1 20081119; WO 2007087992 A1 20070809

DOCDB simple family (application)
DE 102006004781 A 20060202; EP 07702921 A 20070120; EP 2007000493 W 20070120