

Title (en)

VEHICLE WITH AN AIR-CONDITIONER AND A HEAT SOURCE

Title (de)

FAHRZEUG MIT EINER KLIMATISIERUNG UND EINER WÄRMEQUELLE

Title (fr)

VEHICULE MUNI D'UN SYSTEME DE CLIMATISATION ET D'UNE SOURCE DE CHALEUR

Publication

EP 1465784 A1 20041013 (DE)

Application

EP 02787934 A 20021211

Priority

- DE 10201741 A 20020118
- EP 0214058 W 20021211

Abstract (en)

[origin: WO03059664A1] The invention relates to a vehicle with an air-conditioner and a heat source, whereby a medium circuit for the air-conditioner and the heat source uses the same medium for cooling and/or heating. Means for expanding and compressing the medium are provided in the medium circuit, whereby a first branch of the medium circuit runs between a junction and a branching. The medium circuit branches at the branching into a first partial circuit for the heat source and a second partial circuit for the air-conditioner, which come together again at the junction. A compressor and a first heat exchanger, cooled by ambient air are arranged in the first branch between the junction and the branching. The invention further relates to a method for controlling the temperature of the vehicle.

IPC 1-7

B60H 1/00; **H01M 8/00**; **B60H 1/32**

IPC 8 full level

B60H 1/22 (2006.01); **B60H 1/00** (2006.01); **B60H 1/32** (2006.01); **F25B 9/00** (2006.01); **F25B 13/00** (2006.01); **F25B 40/00** (2006.01); **H01M 8/04014** (2016.01); **F25B 41/04** (2006.01); **H01M 8/0612** (2016.01)

CPC (source: EP US)

B60H 1/00878 (2013.01 - EP US); **B60H 1/00907** (2013.01 - EP US); **B60H 1/323** (2013.01 - EP US); **F25B 9/008** (2013.01 - EP US); **F25B 13/00** (2013.01 - EP US); **F25B 40/00** (2013.01 - EP US); **H01M 8/04014** (2013.01 - EP US); **B60H 2001/00935** (2013.01 - EP); **B60H 2001/00949** (2013.01 - EP US); **B60H 2001/00961** (2019.04 - EP US); **F25B 41/22** (2021.01 - EP US); **F25B 2309/061** (2013.01 - EP US); **F25B 2313/0233** (2013.01 - EP US); **F25B 2313/02533** (2013.01 - EP US); **F25B 2313/02541** (2013.01 - EP US); **F25B 2313/02542** (2013.01 - EP US); **F25B 2700/2116** (2013.01 - EP US); **H01M 8/0612** (2013.01 - EP US); **Y02E 60/50** (2013.01 - EP)

Citation (search report)

See references of WO 03059664A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SI SK TR

DOCDB simple family (publication)

WO 03059664 A1 20030724; DE 10201741 A1 20030807; EP 1465784 A1 20041013; JP 2005514261 A 20050519; US 2005039959 A1 20050224

DOCDB simple family (application)

EP 0214058 W 20021211; DE 10201741 A 20020118; EP 02787934 A 20021211; JP 2003559801 A 20021211; US 89378804 A 20040716