

Title (en)

Condenser for an air conditioner, in particular for a motor vehicle

Title (de)

Kondensator für eine Klimaanlage, insbesondere eines Kraftfahrzeuges

Title (fr)

Condensateur pour une climatisation, notamment d'un véhicule automobile

Publication

EP 2378225 A3 20120523 (DE)

Application

EP 11165641 A 20060112

Priority

- EP 06000594 A 20060112
- DE 102005005187 A 20050203

Abstract (en)

[origin: JP2006214714A] <P>PROBLEM TO BE SOLVED: To improve a condenser for an air conditioner, especially a collector, a coolant guide, and degassing of the coolant guide. <P>SOLUTION: The condenser 1 for the air conditioner of a vehicle has a pipe having a pipe fin block 2 extending horizontally and collecting pipes 3 and 4 arranged on the side, condensing sections P1 to P5, and a super-cooling section P6 arranged above the condensing sections. The condenser has the collector 5 for storing a dryer-filter insertion piece 10 and an ascending pipe 15 that are arranged in parallel with one of the collecting pipes. The collector is connected by the coolant to the condensing section P5 via a first overflow opening 8 and to the super-cooling section P6 via a second overflow opening 9. A flow-in chamber 13 is arranged in a region of the first overflow opening 8 in the collector 5, and is partitioned by a plug 11 upward and by the dryer-filter insertion piece 10 downward. <P>COPYRIGHT: (C)2006,JPO&NCIPI

IPC 8 full level

F25B 39/04 (2006.01); **F28D 1/053** (2006.01)

CPC (source: EP US)

F25B 39/04 (2013.01 - EP US); **F28D 1/05375** (2013.01 - EP US); **F25B 40/02** (2013.01 - EP US); **F25B 2339/0441** (2013.01 - EP US); **F28D 2021/007** (2013.01 - EP US); **F28D 2021/0084** (2013.01 - EP US)

Citation (search report)

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- [Y] FR 2764680 A1 19981218 - VALEO THERMIQUE MOTEUR SA [FR]
- [Y] US 5365751 A 19941122 - MIKESELL DONALD E [US], et al
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Designated contracting state (EPC)

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Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

DE 102005005187 A1 20060810; EP 1703233 A2 20060920; EP 1703233 A3 20081029; EP 1703233 B1 20150805; EP 2378225 A2 20111019; EP 2378225 A3 20120523; EP 2378225 B1 20180808; JP 2006214714 A 20060817; JP 5033330 B2 20120926; US 2006185385 A1 20060824

DOCDB simple family (application)

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