

Title (en)
Condenser for an air conditioning system, particularly for a motor vehicle

Title (de)
Kondensator für eine Klimaanlage, insbesondere eines Kraftfahrzeuges

Title (fr)
Condenseur pour système de climatisation, notamment pour automobile

Publication
EP 1703233 A3 20081029 (DE)

Application
EP 06000594 A 20060112

Priority
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)

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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)

- [XY] WO 2004099687 A1 20041118 - BEHR GMBH & CO KG [DE], et al
- [Y] FR 2764680 A1 19981218 - VALEO THERMIQUE MOTEUR SA [FR]
- [PA] WO 2005108896 A1 20051117 - BEHR GMBH & CO KG [DE], et al
- [Y] US 2002059806 A1 20020523 - NOBUTA TETSUJI [JP], et al
- [Y] EP 0480330 A2 19920415 - NIPPON DENSO CO [JP]
- [Y] EP 1147930 A1 20011024 - MODINE MFG CO [US]
- [PX] EP 1522804 A1 20050413 - MODINE MFG CO [US]

Cited by
CN111902686A; EP2357430A3; DE102006056469A1; WO2008104349A3; US8387407B2

Designated contracting state (EPC)
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Designated extension state (EPC)
AL BA HR MK YU

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