

Title (en)

A non-replaceable filter assembly for a vehicle condenser having an upper subcooling section

Title (de)

Nicht austauschbare Filteranordnung für einen Fahrzeugkondensator mit einem oberen Unterkühlabschnitt

Title (fr)

Ensemble de filtre non remplaçable pour condenseur de véhicule ayant une section de sous-refroidissement supérieure

Publication

EP 2636974 A1 20130911 (EN)

Application

EP 13158114 A 20130307

Priority

IT TO20120203 A 20120308

Abstract (en)

A filter assembly for a condenser for vehicles, comprising a tubular container (10) having a fluid inlet (17) and a fluid outlet (18) formed on its side wall (11), and connectable to a condensing section (SC) and to a sub-cooling section (SSR) of the condenser, respectively, in which the fluid outlet is located in use above the fluid inlet; and a filter cartridge (20) comprising a cage-shaped support structure (21) of plastic material. The ends (13, 14) of the container (10) are closed by caps bonded thereto. The support structure is located in use near to the upper end (13) of the container (10), and comprises a peripheral edge (25d) sealingly engaging the side wall (11) of the container (10) between fluid inlet and outlet (17, 18), and a base (24) through which a communication opening (24d) is formed. The filter cartridge further comprises a refrigerant flow pipe (27) connected to the communication opening and extending toward the lower end (14) of the container (10).

IPC 8 full level

F25B 43/00 (2006.01)

CPC (source: EP)

F25B 43/003 (2013.01); **F25B 2339/0441** (2013.01)

Citation (search report)

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- [I] DE 102005023103 A1 20061116 - JAHN GMBH UMFORM UND ZERSPANUN [DE]
- [I] WO 2006128720 A1 20061207 - DENSO AUTOMOTIVE DEUTSCHLAND G [DE], et al
- [I] DE 10250384 A1 20030515 - DENSO CORP [JP]

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DOCDB simple family (application)

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