

Title (en)

PERPENDICULAR FLOW TYPE FILTER ELEMENT AS WELL AS AN AIR CONDITIONING SYSTEM WITH THE SAME

Title (de)

FILTERELEMENT MIT SENKRECHTEM FLUSS SOWIE KLIMAANLAGE DAMIT

Title (fr)

ÉLÉMENT FILTRANT DE TYPE À ÉCOULEMENT PERPENDICULAIRE ET SYSTÈME DE CLIMATISATION DOTÉ DE CELUI-CI

Publication

EP 4417901 A1 20240821 (EN)

Application

EP 23157533 A 20230220

Priority

EP 23157533 A 20230220

Abstract (en)

The present invention relates to a perpendicular flow type filter element (1) for a component (2a, 2b, 2c, 2d, 2e) used in an air conditioning system (48) or an air conditioning system (48) including or realizing a heat pump (49) of a vehicle (50), having a hollow cylinder body (5), through which a fluid flow (3) of fluid can flow, and which extends along a central longitudinal axis (4), a base body (6), and a filter body (7), through which the fluid flow (3) can flow. Said hollow cylinder body (5) limits a flow channel (8) for fluid, which has a flow region (9'), through which the fluid flow (3) can flow in parallel with respect to the central longitudinal axis (4), and a further flow region (9''), through which the fluid flow (3) can flow perpendicularly with respect to the central longitudinal axis (4). It is essential that the base body (6) has a fixing means (10) and a sealing means assembly (11), by means of which the perpendicular flow type filter element (1) can be fixed in a releasable and fluidtight manner to the heat exchanger (2) and that the base body (6) is formed integrally with the hollow cylinder body (5) at least in some sections. The air conditioning system (48) is preferably used in a vehicle (50) with at least partial electric drive. The air conditioning system (48) including or realizing a heat pump system is preferably used in a vehicle with at least partial electric drive.

IPC 8 full level

F25B 43/00 (2006.01)

CPC (source: EP)

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

Citation (applicant)

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Citation (search report)

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Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

EP 4417901 A1 20240821

DOCDB simple family (application)

EP 23157533 A 20230220