

Title (en)

DUAL HEAT EXCHANGER WITH RECIEVER DRIER

Title (de)

DOPPELWÄRMETAUSCHER MIT EMPFÄNGERTROCKNER

Title (fr)

ÉCHANGEUR DE CHALEUR DOUBLE COMPORTANT UN DISPOSITIF DE SÉCHAGE DE RÉCEPTEUR

Publication

**EP 3936809 A1 20220112 (EN)**

Application

**EP 20184699 A 20200708**

Priority

EP 20184699 A 20200708

Abstract (en)

The invention relates to a heat exchange unit (200) for a vehicle, comprising at least a first heat exchanger (210) adapted to perform a heat exchange between a refrigerant fluid and an air flow (AF, AF1, AF2), at least a second heat exchanger (220) adapted to operate a heat exchange between the refrigerant fluid and the air flow (AF, AF1, AF2), the first heat exchanger (210) being arranged downstream of the second heat exchanger (220) along the air flow (AF, AF1, AF2) direction, the heat exchange unit (200) comprising at least one accumulation device (230) hydraulically connected to both the first heat exchanger (210) and the second heat exchanger (220), at least a first connector (240) and a second connector (250), the first connector (240) being hydraulically connected to the accumulation device (230) and to the second connector (250) and the second connector (250) being hydraulically connected to the first connector (240) and to the second heat exchanger (220), at least the second connector (250) being screwed to the first connector (240).

IPC 8 full level

**F28F 9/00** (2006.01)

CPC (source: EP)

**F25B 39/04** (2013.01); **F25B 40/02** (2013.01); **F28D 1/0417** (2013.01); **F28D 1/0435** (2013.01); **F28D 1/0443** (2013.01); **F28D 1/05366** (2013.01); **F28F 9/262** (2013.01); **F25B 2339/044** (2013.01); **F28D 2021/0084** (2013.01)

Citation (search report)

- [IY] FR 3088712 A1 20200522 - VALEO SYSTEMES THERMIQUES [FR]
- [Y] US 2015027163 A1 20150129 - ISHIZAKA NAOHISA [JP], et al
- [Y] WO 2011120972 A1 20111006 - VALEO SYSTEMES THERMIQUES [FR], et al
- [A] US 2006118289 A1 20060608 - JUNG PATRICK [FR], et al
- [A] US 2011259042 A1 20111027 - NISHINO TATSUHIKO [JP], et al
- [A] KR 20160035825 A 20160401 - HANON SYSTEMS [KR]

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 MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 3936809 A1 20220112**; WO 2022008197 A1 20220113

DOCDB simple family (application)

**EP 20184699 A 20200708**; EP 2021066467 W 20210617