

Title (en)

Combined device comprising an internal heat exchanger and an accumulator participating to an AC loop.

Title (de)

Wärmetauscher mit Akkumulator kombiniert, in einem Klimaanlagekreislauf

Title (fr)

Dispositif combiné comprenant un échangeur de chaleur et un accumulateur constitutifs d'une boucle de climatisation.

Publication

EP 2199707 A1 20100623 (FR)

Application

EP 09177775 A 20091202

Priority

FR 0807424 A 20081222

Abstract (en)

The device (12) has a chamber (17) housing an internal heat exchanger (5) and an accumulation zone (18). The accumulation zone is delimited by a lower wall (42) that is provided above the internal heat exchanger. The chamber has an upper separator (19) equipped with a low-pressure inlet (15) and with a high-pressure outlet (14). A lower separator (20) is equipped with a high-pressure inlet (13) and with a low-pressure outlet (16). An independent claim is also included for an air-conditioning loop comprising an internal heat exchanger and accumulator combined device.

Abstract (fr)

L'invention a pour objet un dispositif combiné (12) comprenant une enceinte (17) logeant au moins un échangeur de chaleur interne (5) et une zone d'accumulation (18). La zone d'accumulation (18) est délimitée par au moins une paroi inférieure (42). La paroi inférieure (42) est au-dessus de l'échangeur de chaleur interne (5).

IPC 8 full level

F25B 40/00 (2006.01)

CPC (source: EP US)

F25B 40/00 (2013.01 - EP US); **F25B 43/006** (2013.01 - EP US); **F25B 2400/02** (2013.01 - EP US); **F25B 2400/051** (2013.01 - EP US)

Citation (applicant)

JP H1019421 A 19980123 - NIPPON SOKEN, et al

Citation (search report)

- [X] GB 934490 A 19630821 - DENCO MILLER LTD
- [X] WO 2004054827 A1 20040701 - DAIMLER CHRYSLER AG [DE], et al
- [A] JP H10300284 A 19981113 - SANDEN CORP
- [A] JP 2005299949 A 20051027 - ZEXEL VALEO CLIMATE CONTR CORP
- [A] JP S5363768 A 19780607 - TOKICO LTD

Designated contracting state (EPC)

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 SE SI SK SM TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

EP 2199707 A1 20100623; CN 101762132 A 20100630; FR 2940420 A1 20100625; FR 2940420 B1 20101231; JP 2010156538 A 20100715; US 2010155028 A1 20100624

DOCDB simple family (application)

EP 09177775 A 20091202; CN 200910260700 A 20091222; FR 0807424 A 20081222; JP 2009288782 A 20091221; US 64426409 A 20091222