

Title (en)

Storage device comprising turbulating means

Title (de)

Speichergerät mit wirbelerzeugenden Elementen

Title (fr)

Dispositif de stockage présentant un moyen destiné à provoquer des turbulences.

Publication

EP 2216612 B2 20210113 (FR)

Application

EP 10151858 A 20100128

Priority

FR 0900556 A 20090209

Abstract (en)

[origin: EP2216612A1] The device (1) has an inlet tube (18) for inletting refrigerant, and an outlet tube (19) for outletting the refrigerant, where the refrigerant is formed by a mixture of chemical compound i.e. 2,3,3,3-Tetrafluoropropene, and a lubricant. A storage zone (10) stores the refrigerant. A communication unit (16) causes turbulences in the storage zone. The communication unit is in the form of a manifold (13) that channels the refrigerant from an intake chamber (9) to the storage zone. The inlet tube traverses an evacuation chamber separated from the storage zone by a plate.

IPC 8 full level

F25B 43/00 (2006.01)

CPC (source: EP US)

F25B 43/006 (2013.01 - EP US); **F25B 2400/02** (2013.01 - EP US); **F25B 2400/03** (2013.01 - EP US); **F25B 2400/16** (2013.01 - EP US); **F25B 2500/18** (2013.01 - EP US)

Citation (opposition)

Opponent :

- DE 10161238 A1 20030626 - BEHR GMBH & CO [DE]
- JP 2001343170 A 20011214 - ZEXEL VALEO CLIMATE CONTR CORP
- US 6196019 B1 20010306 - HIGO YUTAKA [JP], et al

Cited by

WO2018177476A1

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

DOCDB simple family (publication)

EP 2216612 A1 20100811; **EP 2216612 B1 20130703**; **EP 2216612 B2 20210113**; CN 101799231 A 20100811; CN 101799231 B 20141126; FR 2941890 A1 20100813; FR 2941890 B1 20110909; JP 2010181144 A 20100819; JP 5758579 B2 20150805; US 2010199713 A1 20100812; US 8567212 B2 20131029

DOCDB simple family (application)

EP 10151858 A 20100128; CN 201010117018 A 20100209; FR 0900556 A 20090209; JP 2010024947 A 20100208; US 69915210 A 20100203