

Title (en)
Accumulator for refrigeration cycle system

Title (de)
Akkumulator für Kühlkreislauf

Title (fr)
Accumulateur pour circuit de réfrigération

Publication
EP 2469202 A3 20130529 (EN)

Application
EP 11194025 A 20111216

Priority
JP 2010284282 A 20101221

Abstract (en)
[origin: EP2469202A2] An accumulator (1A,1B) for use in a refrigeration cycle system is constructed to have a liquid accumulating chamber (2) in which refrigerant is accumulated, a refrigerant inlet port (4) through which the refrigerant is led into the liquid accumulating chamber (2), a refrigerant outlet pipe (5) that has an upstream open end (5a) exposed to an upper part of the liquid accumulating chamber (2) to discharge the refrigerant from the liquid accumulating chamber (2) to the outside of the chamber, an oil return opening provided in a given part of the refrigerant outlet pipe to return oil, which is contained in the refrigerant in the lower part of the liquid accumulating chamber, to a compressor of the refrigeration cycle system, a refrigerant flow generating structure that provides the refrigerant from the refrigerant inlet port with a given flow, the given flow being produced by a drive force possessed by the refrigerant; and a refrigerant flow mixing structure that provides the given flow of refrigerant from the refrigerant flow generating structure with an upward-and-downward movement thereby to mix the refrigerant.

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)

Citation (search report)

- [X] JP S62141167 U 19870905
- [Y] JP S6113271 U 19860125
- [YD] JP 2004324899 A 20041118 - MATSUSHITA ELECTRIC IND CO LTD
- [A] US 2004065110 A1 20040408 - BARRATT THOMAS [US], et al
- [A] JP S6028370 U 19850226

Cited by
EP3841336A4; EP3118545A1; US10190809B2; WO2020040476A1; US11865895B2

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 2469202 A2 20120627; EP 2469202 A3 20130529; CN 102538320 A 20120704; CN 102538320 B 20141029; JP 2012132608 A 20120712; JP 5644469 B2 20141224; US 2012151957 A1 20120621

DOCDB simple family (application)
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