

Title (en)
ACCUMULATOR

Title (de)
AKKUMULATOR

Title (fr)
ACCUMULATEUR

Publication
EP 3118543 A3 20170301 (EN)

Application
EP 16173217 A 20160607

Priority
JP 2015139578 A 20150713

Abstract (en)
[origin: EP3118543A2] [Object] To provide an accumulator capable of trapping and removing a foreign material mixed with a liquid phase refrigerant even when the liquid phase refrigerant flows into an outflow pipe and hence decreasing the amount of the foreign material in the circulated refrigerant without causing an increase in size. [Solving Means] An accumulator includes an outflow pipe (30) having a double pipe structure including an inner pipe (31) and an outer pipe (32) and a strainer (40) provided in the vicinity of a lower end of the outflow pipe (30) and including a mesh filter (45), wherein the mesh filter (45) is disposed between a space (J) formed between the inner pipe (31) and the outer pipe (32) and a space (I) inside the inner pipe and a casing (42) of the strainer (40) is provided with a communication hole (46) causing the space (J) to communicate with a lower space (S) of the tank (10).

IPC 8 full level
F25B 43/00 (2006.01)

CPC (source: CN EP)
F25B 43/006 (2013.01 - CN EP); **F25B 2500/06** (2013.01 - EP)

Citation (search report)

- [XYI] JP 2014095491 A 20140522 - FUJI KOKI KK
- [XY] JP 2000356439 A 20001226 - DENSO CORP
- [XY] DE 102008012262 A1 20081211 - DENSO CORP [JP]
- [Y] US 5802868 A 19980908 - RIEMENSCHNEIDER PAUL A [US]
- [A] JP 2004132627 A 20040430 - FUJI KOKI KK

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 3118543 A2 20170118; EP 3118543 A3 20170301; EP 3118543 B1 20230906; CN 106352617 A 20170125; CN 106352617 B 20200904; JP 2017020731 A 20170126; JP 6594685 B2 20191023

DOCDB simple family (application)
EP 16173217 A 20160607; CN 201610473025 A 20160624; JP 2015139578 A 20150713