

Title (en)

COOLING SYSTEM FOR CABINETS AND COOLING CABINET BY FORCED AIR

Title (de)

KÜHLSYSTEM FÜR SCHRÄNKE UND KÜHLSCHRÄNKE MITTELS GEBLÄSELUFT

Title (fr)

SYSTÈME DE REFROIDISSEMENT POUR ARMOIRES ET ARMOIRE DE REFROIDISSEMENT PAR AIR FORCÉ

Publication

**EP 3171098 A1 20170524 (EN)**

Application

**EP 16198687 A 20161114**

Priority

BR 102015028999 A 20151118

Abstract (en)

The present invention describes a valve mechanism for refrigerating machines compressors. More specifically, the valve mechanism operates to allow the equalization of pressure between the compression chamber of a reciprocating compressor and the discharge volume of the same compressor. This equalization is aimed at reducing the torque required for departure. The present invention lies in the field of mechanical engineering, more specifically in the field of fluid and cooling mechanics.

IPC 8 full level

**F25B 1/00** (2006.01); **F24F 1/02** (2011.01); **F25B 41/30** (2021.01); **F25D 19/02** (2006.01)

CPC (source: CN EP US)

**A47F 3/04** (2013.01 - CN); **A47F 3/0447** (2013.01 - US); **F25B 1/00** (2013.01 - CN); **F25B 1/005** (2013.01 - EP US); **F25B 41/30** (2021.01 - CN); **F25D 17/06** (2013.01 - CN); **F25D 19/02** (2013.01 - EP US); **F25B 2339/047** (2013.01 - EP US)

Citation (search report)

- [XII] US 2914927 A 19591201 - CORHANIDIS SEBASTIEN S
- [XI] US 5199273 A 19930406 - SILVA ROBERT K [US], et al
- [XI] US 2004139763 A1 20040722 - JEONG GI JOONG [KR], et al

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 3171098 A1 20170524**; BR 102015028999 A2 20170523; CN 106798432 A 20170606; JP 2017138088 A 20170810; MX 2016015154 A 20180516; US 2017135499 A1 20170518

DOCDB simple family (application)

**EP 16198687 A 20161114**; BR 102015028999 A 20151118; CN 201611272751 A 20161118; JP 2016222074 A 20161115; MX 2016015154 A 20161117; US 201615351570 A 20161115