

Title (en)
COMPRESSOR

Title (de)
VERDICHTER

Title (fr)
COMPRESSEUR

Publication
EP 3249228 A4 20180124 (EN)

Application
EP 15884039 A 20151228

Priority
• JP 2015043500 A 20150305
• JP 2015086488 W 20151228

Abstract (en)
[origin: EP3249228A1] In order to provide a compressor wherein the rigidity of a bearing can be increased and transmission of heat to a cylinder main body can be reduced, this compressor is equipped with a cylinder main body of a rotary compression mechanism, an upper bearing (22) provided on one surface side of the cylinder main body and supporting a drive shaft, and a muffler plate (42) disposed on one surface side of the upper bearing (22). The upper bearing (22) includes: a partition rib (46) formed rising from one surface of the upper bearing (22) and extending along the radial direction of the upper bearing (22); a refrigerant circulation section (38) surrounded by the partition rib (46) and the muffler plate (42), to which refrigerant discharged from the cylinder main body circulates, and a heat-blocking section (39) surrounded by the partition rib (46) and the muffler plate (42) and separated from the refrigerant circulation section (38) by the partition rib (46) and the muffler plate (42) to prevent refrigerant from circulating thereto.

IPC 8 full level
F04C 18/356 (2006.01); **F04C 23/00** (2006.01); **F04C 29/04** (2006.01); **F04C 29/06** (2006.01)

CPC (source: EP)
F04C 18/356 (2013.01); **F04C 18/3564** (2013.01); **F04C 23/001** (2013.01); **F04C 29/04** (2013.01); **F04C 29/06** (2013.01); **F04C 29/065** (2013.01)

Citation (search report)
• No further relevant documents disclosed
• See references of WO 2016139873A1

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 3249228 A1 20171129; **EP 3249228 A4 20180124**; **EP 3249228 B1 20210127**; CN 107250545 A 20171013; JP 2016160911 A 20160905; JP 6548915 B2 20190724; WO 2016139873 A1 20160909

DOCDB simple family (application)
EP 15884039 A 20151228; CN 201580076550 A 20151228; JP 2015043500 A 20150305; JP 2015086488 W 20151228