

Title (en)
ROTARY COMPRESSOR

Title (de)
ROTATIONSVERDICHTER

Title (fr)
COMPRESSEUR ROTATIF

Publication
EP 3369932 A4 20181010 (EN)

Application
EP 16859259 A 20161006

Priority
• JP 2015210285 A 20151027
• JP 2016004503 W 20161006

Abstract (en)
[origin: EP3369932A1] Provided is a rotary compressor capable of reducing pulsation based on an acoustic eigenvalue of a two-layer structured muffler. This rotary compressor (10) includes an upper muffler (50) including a first muffler (50A) provided on an inner side, and a second muffler (50B) provided on the outer side of the first muffler (50A) and covering the first muffler (50A). The acoustic eigenvalue of the pre-specified frequency (F) is excited in the first muffler (50A), and the second muffler (50B) absorbs a sound wave of the frequency (F) transmitted through the first muffler (50A). The intervals (L2) between second discharge openings (56B1, 56B2, 56B3) of the second muffler (50B) are 1/2 the interval (L1) between first discharge openings (56A1, 56A2) of the first muffler (50A), which is the most effective configuration for achieving the effects of the present invention.

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

CPC (source: EP)
F04C 23/008 (2013.01); **F04C 29/06** (2013.01); **F04C 29/061** (2013.01)

Citation (search report)
• [X] US 2009175740 A1 20090709 - MORIMOTO KOUKI [JP], et al
• [A] JP H05133377 A 19930528 - SANYO ELECTRIC CO
• See references of WO 2017073019A1

Cited by
EP3885589A1

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 3369932 A1 20180905; EP 3369932 A4 20181010; EP 3369932 B1 20210331; CN 107614881 A 20180119; CN 107614881 B 20190621; JP 2017082632 A 20170518; JP 6625864 B2 20191225; WO 2017073019 A1 20170504

DOCDB simple family (application)
EP 16859259 A 20161006; CN 201680025135 A 20161006; JP 2015210285 A 20151027; JP 2016004503 W 20161006