

Title (en)

CENTRIFUGAL COMPRESSOR, SUPERCHARGER, AND METHOD FOR MANUFACTURING CENTRIFUGAL COMPRESSOR

Title (de)

KREISELVERDICHTER, TURBOLADER UND VERFAHREN ZUR HERSTELLUNG DES KREISELVERDICHTERS

Title (fr)

COMPRESSEUR CENTRIFUGE, COMPRESSEUR DE SURALIMENTATION ET PROCÉDÉ DE FABRICATION D'UN COMPRESSEUR CENTRIFUGE

Publication

EP 3412916 B1 20190626 (EN)

Application

EP 18185764 A 20150224

Priority

- JP 2014074071 A 20140331
- EP 15774147 A 20150224
- JP 2015055240 W 20150224

Abstract (en)

[origin: EP3128184A1] There is provided a centrifugal compressor (10) including: an impeller (11) that is mounted on a rotor shaft (30), and compresses air flowing in from an intake (11a), and then discharges the compressed air from a discharge port (11b); an air inlet casing (12) that houses the impeller (11); a scroll section (13) which is disposed on an outer peripheral side with respect to the air inlet casing (12), and into which the compressed air discharged from the discharge port (11b) flows; a plurality of partition plates (14) provided on an upstream side in an air circulation direction with respect to the intake (11a), and each having a predetermined length in a direction of an axial line of the rotor shaft (30); and a silencer (15) having a silencer casing (15a) for housing the plurality of partition plates, wherein the plurality of partition plates (14) are radially disposed about the axial line (X), and each are a rolled steel material having a plate thickness of 4 mm or more and 9 mm or less.

IPC 8 full level

F04D 29/42 (2006.01); **F04D 29/44** (2006.01); **F04D 29/66** (2006.01)

CPC (source: EP KR)

F04D 29/4206 (2013.01 - EP); **F04D 29/4213** (2013.01 - EP KR); **F04D 29/441** (2013.01 - EP KR); **F04D 29/66** (2013.01 - KR); **F05D 2220/40** (2013.01 - EP); **F05D 2250/51** (2013.01 - EP KR); **F05D 2260/31** (2013.01 - EP)

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

DOCDB simple family (publication)

EP 3128184 A1 20170208; **EP 3128184 A4 20170816**; **EP 3128184 B1 20180926**; CN 106104006 A 20161109; CN 106104006 B 20190618; CN 108799204 A 20181113; CN 108799204 B 20200313; EP 3412916 A1 20181212; EP 3412916 B1 20190626; JP 2015197053 A 20151109; JP 6391970 B2 20180919; KR 101918377 B1 20181113; KR 20160125467 A 20161031; WO 2015151653 A1 20151008

DOCDB simple family (application)

EP 15774147 A 20150224; CN 201580013773 A 20150224; CN 201810697793 A 20150224; EP 18185764 A 20150224; JP 2014074071 A 20140331; JP 2015055240 W 20150224; KR 20167026159 A 20150224