

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 DE COMPRESSEUR CENTRIFUGE

Publication

EP 3067569 B1 20180718 (EN)

Application

EP 15774141 A 20150319

Priority

- JP 2014074070 A 20140331
- JP 2014212793 A 20141017
- JP 2015058355 W 20150319

Abstract (en)

[origin: EP3067569A1] Provided is a centrifugal compressor, provided with: a delivery fan (11) for compressing air flowing in from an intake port (11a) and discharging the air from a discharge port (11b), the delivery fan (11) being attached to a rotor shaft (30); an air-guiding cylinder (12) for accommodating the delivery fan (11); a scroll part (13) into which the compressed air discharged from the discharge port (11b) flows, the scroll part (13) being arranged farther out toward the periphery than is the air-guiding cylinder (12); and a first containment ring (14) attached to a linking position between the air-guiding cylinder (12) and the scroll part (13) so as to encircle the delivery fan (11) about an axis line (X) of the rotor shaft (30).

IPC 8 full level

F02B 39/00 (2006.01); **F04D 29/42** (2006.01)

CPC (source: EP KR)

F01D 9/04 (2013.01 - KR); **F01D 21/045** (2013.01 - EP KR); **F04D 29/162** (2013.01 - EP KR); **F04D 29/4206** (2013.01 - EP KR); **F01D 9/04** (2013.01 - EP); **F05D 2220/40** (2013.01 - EP KR)

Cited by

US2018223871A1; US11359647B2

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 3067569 A1 20160914; **EP 3067569 A4 20161221**; **EP 3067569 B1 20180718**; CN 106164497 A 20161123; CN 106164497 B 20190628; KR 101884101 B1 20180731; KR 20160088922 A 20160726; WO 2015151844 A1 20151008

DOCDB simple family (application)

EP 15774141 A 20150319; CN 201580003047 A 20150319; JP 2015058355 W 20150319; KR 20167016418 A 20150319