

Title (en)
Centrifugal compressor

Title (de)
Radialverdichter

Title (fr)
Compresseur centrifuge

Publication
EP 2784327 A3 20150422 (EN)

Application
EP 13174085 A 20130627

Priority
KR 20130031410 A 20130325

Abstract (en)
[origin: EP2784327A2] Disclosed is a centrifugal compressor capable of minimizing leakage of fluid while realizing high aerodynamic performance in the process of compressing the fluid. The centrifugal compressor includes an impeller (100) having blades (120), a housing (200) formed with an inlet (220) and an outlet (230), a sealing unit (300) disposed adjacent to one of the inlet (220) and the outlet (230), and a partial shroud (310) disposed adjacent to the sealing unit (300) and formed at one of the inlet (220) and the outlet (230) to partially surround outer peripheral portions of outer ends of the blades (120).

IPC 8 full level
F04D 29/16 (2006.01); **F04D 29/28** (2006.01)

CPC (source: EP KR US)
F04D 29/08 (2013.01 - KR); **F04D 29/162** (2013.01 - EP US); **F04D 29/28** (2013.01 - KR); **F04D 29/44** (2013.01 - KR)

Citation (search report)

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- [XY] JP 2009156122 A 20090716 - MITSUBISHI HEAVY IND LTD
- [XY] JP S61171899 A 19860802 - HITACHI LTD
- [Y] US 6039535 A 20000321 - KOBAYASHI HIROMI [JP], et al
- [Y] JP H11280694 A 19991015 - MITSUBISHI HEAVY IND LTD
- [Y] WO 2012033192 A1 20120315 - MITSUBISHI HEAVY IND LTD [JP], et al

Cited by
NL2024911B1; FR3060672A1

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 2784327 A2 20141001; EP 2784327 A3 20150422; EP 2784327 B1 20180516; KR 101501477 B1 20150312; KR 20140116628 A 20141006; US 2014286761 A1 20140925; US 2018202451 A1 20180719

DOCDB simple family (application)
EP 13174085 A 20130627; KR 20130031410 A 20130325; US 201313925341 A 20130624; US 201815923233 A 20180316