

Title (en)
DIAPHRAGM AND CENTRIFUGAL ROTATING MACHINE

Title (de)
MEMBRAN UND ZENTRIFUGALE DREHMASCHINE

Title (fr)
DIAPHRAGME ET MACHINE TOURNANTE CENTRIFUGE

Publication
EP 3104018 A1 20161214 (EN)

Application
EP 15746259 A 20150204

Priority
• JP 2014020490 A 20140205
• JP 2015053074 W 20150204

Abstract (en)
A diaphragm (4) rotatably covers an impeller (3) around an axis (O). A diaphragm (4) has a suction flow channel (FC1) configured to supply a gas (G) toward an inlet of an impeller (3), a diffuser flow channel (FC4) through which the gas (G) discharged from the impeller (3) outward in a radial direction flows, and a communication section (24) configured to bring the suction flow channel (FC1) and the diffuser flow channel (FC4) in constant communication with each other.

IPC 8 full level
F04D 29/44 (2006.01); **F04D 17/12** (2006.01); **F04D 29/66** (2006.01)

CPC (source: EP US)
F04D 17/122 (2013.01 - EP US); **F04D 27/02** (2013.01 - US); **F04D 29/286** (2013.01 - US); **F04D 29/441** (2013.01 - EP US);
F04D 29/682 (2013.01 - EP US)

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)
US 2016327050 A1 20161110; CN 105899814 A 20160824; EP 3104018 A1 20161214; EP 3104018 A4 20170920; JP 2015148165 A 20150820;
JP 6133801 B2 20170524; WO 2015119140 A1 20150813

DOCDB simple family (application)
US 201515108488 A 20150204; CN 201580003375 A 20150204; EP 15746259 A 20150204; JP 2014020490 A 20140205;
JP 2015053074 W 20150204