

Title (en)  
DIAPHRAGM AND CENTRIFUGAL ROTATING MACHINE

Title (de)  
MEMBRAN UND ZENTRIFUGALE DREHMASCHINE

Title (fr)  
DIAPHRAGME ET MACHINE TOURNANTE CENTRIFUGE

Publication  
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Application  
**EP 15746259 A 20150204**

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Abstract (en)  
[origin: US2016327050A1] A diaphragm rotatably covers an impeller around an axis. A diaphragm has a suction flow channel configured to supply a gas toward an inlet of an impeller, a diffuser flow channel through which the gas discharged from the impeller outward in a radial direction flows, and a communication section configured to bring the suction flow channel and the diffuser flow channel in constant communication with each other.

IPC 8 full level  
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**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)

Citation (search report)  
• [I] US 2007147987 A1 20070628 - KIRTLEY KEVIN R [US]  
• [A] US 2013272909 A1 20131017 - NAWROCKI GILLES [FR]  
• [A] US 2305226 A 19421215 - STALKER EDWARD A  
• [A] JP 2010185361 A 20100826 - MITSUBISHI HEAVY IND LTD  
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Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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JP 6133801 B2 20170524; WO 2015119140 A1 20150813

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