

Title (en)  
ROTARY MACHINE

Title (de)  
ROTATIONSMASCHINE

Title (fr)  
MACHINE ROTATIVE

Publication  
**EP 3055505 A4 20170830 (EN)**

Application  
**EP 14845804 A 20140918**

Priority  
• US 201361879628 P 20130918  
• US 2014056383 W 20140918

Abstract (en)  
[origin: WO2015042307A1] The disclosure provides rotary machines that include, in one embodiment, a rotatable shaft defining a central axis A, the shaft having a first end and a second end. The shaft can have an elongate first island disposed thereon. The first island can have a body with a volume generally defined between front and rear surfaces that are spaced apart. The front and rear surfaces can lie in a plane parallel to a radial axis R. The perimeters of the front and rear surfaces can define a curved perimeter surface therebetween. The disclosure further provides embodiments having stationary islands and casings that rotate about the island.

IPC 8 full level  
**F01C 1/46** (2006.01); **F01C 21/08** (2006.01); **F02B 55/16** (2006.01)

CPC (source: EP)  
**F01C 1/46** (2013.01); **F01C 21/0809** (2013.01); **F02B 55/16** (2013.01); **Y02T 10/12** (2013.01)

Citation (search report)  
• [A] US 7458791 B2 20081202 - RADZIWILL MACIEJ [PL]  
• [A] US 3187507 A 19650608 - ARTAJO JOSE IGNACIO MARTIN [ES]  
• [A] US 2010242897 A1 20100930 - WOOLDRIDGE JOSEPH B [US], et al  
• See references of WO 2015042307A1

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)  
**WO 2015042307 A1 20150326**; CN 106030037 A 20161012; CN 106030037 B 20180914; EP 3055505 A1 20160817; EP 3055505 A4 20170830

DOCDB simple family (application)  
**US 2014056383 W 20140918**; CN 201480061964 A 20140918; EP 14845804 A 20140918