

Title (en)  
PROPULSIVE FORCE GENERATION DEVICE

Title (de)  
SCHUBKRAFTERZEUGUNGSVORRICHTUNG

Title (fr)  
DISPOSITIF DE GÉNÉRATION DE FORCE DE PROPULSION

Publication  
**EP 3009342 A4 20170419 (EN)**

Application  
**EP 14811555 A 20140611**

Priority  
• JP 2013122922 A 20130611  
• JP 2014003108 W 20140611

Abstract (en)  
[origin: EP3009342A1] A thrust generator (1) includes: a cylindrical housing (10), which is open at both sides in its axial direction; a thruster body (20) disposed inside the cylindrical housing (10); and a pair of fairing ducts (40, 41) removably mounted to respective side surfaces of the thruster body (20). The thruster body (20) includes an annular stator (25), an annular rotor (30) disposed inside the stator (25), and a propeller blade (33) provided on an inner peripheral surface of the rotor (30). The cylindrical housing (10) includes a fixing flange (12) protruding radially inward, and the thruster body (20) is removably mounted to the fixing flange (12) by a fastening member (24).

IPC 8 full level  
**B63H 1/12** (2006.01); **B63H 21/17** (2006.01); **B63H 25/42** (2006.01)

CPC (source: EP)  
**B63H 1/16** (2013.01); **B63H 23/24** (2013.01); **B63H 2001/165** (2013.01)

Citation (search report)  
• [XAI] EP 2447148 A1 20120502 - KAWASAKI HEAVY IND LTD [JP]  
• [A] JP 2008014202 A 20080124 - KAWASAKI HEAVY IND LTD  
• [A] US 1326730 A 19191230  
• [A] US 2013040514 A1 20130214 - MARHOLM OLE ARNT [NO], et al  
• See references of WO 2014199635A1

Cited by  
GR1009624B; WO2022188988A1

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 3009342 A1 20160420; EP 3009342 A4 20170419**; CN 105209337 A 20151230; CN 105209337 B 20180112; JP 2014240224 A 20141225; JP 6204709 B2 20170927; KR 101707558 B1 20170216; KR 20160018580 A 20160217; WO 2014199635 A1 20141218

DOCDB simple family (application)  
**EP 14811555 A 20140611**; CN 201480021405 A 20140611; JP 2013122922 A 20130611; JP 2014003108 W 20140611; KR 20157036331 A 20140611