

Title (en)  
BOW THRUSTER

Title (de)  
BUGSTRAHLRUDER

Title (fr)  
PROPULSEUR D'ÉTRAVE

Publication  
**EP 2673191 A4 20170208 (EN)**

Application  
**EP 11845002 A 20111128**

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Abstract (en)  
[origin: WO2012074465A1] The invention relates to an operation device for marine vessels, comprising a housing (1), a propeller (2) peripherally journaled in a bearing (11), said bearing being fixedly arranged in said housing, and a driving device (4) for rotating said propeller (2). The operation device is characterized in that the bearing is water lubricated. The invention further relates to a marine vessel, comprising such an operation device.

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Citation (search report)  
• [XYI] US 3610713 A 19711005 - SATTERTHWAITHE JAMES GLENN, et al  
• [YA] US 5152240 A 19921006 - FONTANILLE GUY [FR]  
• [YA] US 3478712 A 19691118 - FOX ANTHONY R  
• See references of WO 2012074465A1

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 2012074465 A1 20120607**; EP 2673191 A1 20131218; EP 2673191 A4 20170208; SE 1051249 A1 20120530; SE 536820 C2 20140923

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