

Title (en)
A PROPULSION UNIT

Title (de)
ANTRIEBSEINHEIT

Title (fr)
UNITÉ DE PROPULSION

Publication
EP 3612444 A4 20201125 (EN)

Application
EP 17905961 A 20170418

Priority
FI 2017050284 W 20170418

Abstract (en)
[origin: WO2018193149A1] The propulsion unit comprises a support frame (20), a nozzle (60) attached to the support frame, a propeller (40) within the nozzle, the propeller having an axis (X-X) of rotation and comprising propeller blades (41-44), and a support construction (50) on either axial side of the propeller, the support construction comprising vanes (51-57) extending inwards in a duct (65) formed by the nozzle. A minimum axial distance (A5) between the blades of the propeller and the vanes of the support construction is in the range of 0.5 to 10% of a diameter of the propeller.

IPC 8 full level
B63H 5/125 (2006.01); **B63H 5/14** (2006.01); **B63H 5/15** (2006.01); **B63H 11/117** (2006.01)

CPC (source: EP)
B63H 1/16 (2013.01); **B63H 1/28** (2013.01); **B63H 5/125** (2013.01); **B63H 5/14** (2013.01); **B63H 2005/1258** (2013.01); **Y02T 70/50** (2013.01)

Citation (search report)

- [X] WO 02055845 A1 20020718 - PIETRICOLA PAOLO [IT]
- [X] US 5252875 A 19931012 - VERONESI LUCIANO [US], et al
- [X] WO 2015004370 A1 20150115 - HUTCHINSON [FR]
- [X] WO 2010093305 A1 20100819 - ERIKSSON MAGNUS [SE]
- [A] EP 2808247 A1 20141203 - ABB TECHNOLOGY AG [CH]
- See references of WO 2018193149A1

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

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