

Title (en)  
A PROPULSION UNIT

Title (de)  
ANTRIEBSEINHEIT

Title (fr)  
UNITÉ DE PROPULSION

Publication  
**EP 3612444 A1 20200226 (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 5/14** (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)

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Designated extension state (EPC)  
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DOCDB simple family (publication)  
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