

Title (en)  
POWERING SYSTEM FOR A WATERCRAFT

Title (de)  
ANTRIEBSSYSTEM FÜR EIN WASSERFAHRZEUG

Title (fr)  
SYSTÈME D'ALIMENTATION POUR EMBARCATION

Publication  
**EP 4144634 A1 20230308 (EN)**

Application  
**EP 21382805 A 20210907**

Priority  
EP 21382805 A 20210907

Abstract (en)  
A powering system (10) for a watercraft is provided. The powering system for a watercraft comprises a propeller (100), an electric motor (20), and a gearbox (30) coupled to the electric motor. The powering system for a watercraft further comprises an input shaft (50), an intermediate shaft (60), and a propeller shaft (70). The input shaft has a first end (51) coupled to the gearbox and a second end (52) rotatably coupled to the intermediate shaft. The intermediate shaft has a first end (61) rotatably coupled to the input shaft and a second end rotatably (62) coupled to the propeller shaft. The propeller shaft has a first end (71) rotatably coupled to the intermediate shaft and a second end (72) coupled to the propeller. The intermediate shaft comprises an upper portion (63) extending in a second direction (2) and a lower portion (64), the lower portion being rotatably coupled to the upper portion. Additionally, the powering system for a watercraft comprises an upper supporting (120) and a lower supporting structure (130). The upper supporting structure is configured to be tiltable coupled to a watercraft. The lower supporting structure is rotatably coupled to the upper supporting structure to rotate about the second direction.

IPC 8 full level  
**B63H 20/14** (2006.01); **B63H 20/16** (2006.01); **B63H 21/17** (2006.01)

CPC (source: EP)  
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Citation (search report)  
• [A] US 2016059949 A1 20160303 - REBELE ANDREW H [US], et al  
• [A] CN 201136590 Y 20081022 - LU DINGGUO [CN]  
• [A] US 2006258233 A1 20061116 - WILSON JIM [US], et al  
• [A] US 3946698 A 19760330 - LAFOLLETTE ROBERT L, et al  
• [A] US 2020001958 A1 20200102 - DAVIS ERIC A [US], et al

Cited by  
WO2023036755A1

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

Designated extension state (EPC)  
BA ME

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
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