

Title (en)
MARINE DRIVES

Title (de)
SCHIFFSANTRIEBE

Title (fr)
DISPOSITIFS MARINS

Publication
EP 4253224 A1 20231004 (EN)

Application
EP 23164747 A 20230328

Priority

- US 202263324251 P 20220328
- US 202318097327 A 20230116
- US 202318119604 A 20230309
- US 202318123829 A 20230320

Abstract (en)
A stern drive (12) is for propelling a marine vessel in a body of water. The stern drive (12) comprises a mounting assembly (16) for coupling the stern drive (12) to a transom (18) of the marine vessel. The stern drive (12) further comprises a powerhead (14) configured to operate a propulsor (30) to generate a thrust force in the body of water. The drive assembly (20) is trimmable up and down relative to the mounting assembly (16) and comprises a driveshaft (24) which is operably coupled to the powerhead (14) and the propulsor (30). The stern drive (12) further comprises a universal joint (50) which couples the powerhead (14) to the driveshaft (24) so that operation of the powerhead (14) causes rotation of the driveshaft (24), which in turn operates the propulsor (30). The universal joint (50) is configured to facilitate trimming of the drive assembly (20) an amount sufficient to raise at least a majority of the drive assembly (20) out of the body of water.

IPC 8 full level
B63H 21/17 (2006.01); **B63H 20/10** (2006.01); **B63H 20/12** (2006.01); **B63H 20/22** (2006.01); **B63H 21/30** (2006.01)

CPC (source: EP)
B63H 20/10 (2013.01); **B63H 20/12** (2013.01); **B63H 20/22** (2013.01); **B63H 21/17** (2013.01); **B63H 21/305** (2013.01)

Citation (applicant)

- US 6287159 B1 20010911 - POLAKOWSKI STEPHEN E [US], et al
- US 6273771 B1 20010814 - BUCKLEY GEORGE W [US], et al
- US 9334034 B1 20160510 - WALDVOGEL DAVID J [US], et al
- US 9446828 B1 20160920 - GROESCHEL JOHN A [US], et al
- US 10800502 B1 20201013 - ALBY JEREMY L [US], et al

Citation (search report)

- [XAI] US 4432737 A 19840221 - JOHANSSON DONALD [SE]
- [XAI] US 2536894 A 19510102 - WANZER ARTHUR W

Designated contracting state (EPC)
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