

Title (en)

Marine propulsion machine having drive shaft

Title (de)

Schiffsantriebsmaschine mit Antriebswelle

Title (fr)

Machine à propulsion marine comportant un arbre de transmission

Publication

EP 1873374 B1 20120912 (EN)

Application

EP 07012396 A 20070625

Priority

- EP 07012396 A 20070625
- JP 2006182268 A 20060630
- JP 2006182269 A 20060630
- JP 2006182270 A 20060630
- JP 2006182271 A 20060630

Abstract (en)

[origin: EP1873374A1] An outboard motor S has: a first drive shaft 31 interlocked with an internal combustion engine, a second drive shaft 32 interlocked with the first drive gear 31, an output gear mechanism 50 driven by the second drive shaft 32, a propeller shaft 17, and a gear case 13 holding the output gear mechanism 50 and the propeller shaft 17 and having a normally submerged gearing holding portion 21. The second drive shaft 32 is disposed rearward of the first drive shaft 31 with respect to a longitudinal direction. The gearing holding portion 21 has a tapered part 21a extending forward from a position corresponding to the second drive shaft 32 and having a front end 21c. The tapered part 21a is tapered toward the front. The disposition of the second drive shaft 32 rearward of the first drive shaft 31 enables forming the gear case 13 in a small size and reduces underwater resistance to the gear case 13.

IPC 8 full level

F02B 61/04 (2006.01)

CPC (source: EP)

B63H 20/14 (2013.01); **B63H 20/20** (2013.01); **B63H 20/32** (2013.01)

Designated contracting state (EPC)

CH DE GB LI

DOCDB simple family (publication)

EP 1873374 A1 20080102; EP 1873374 B1 20120912

DOCDB simple family (application)

EP 07012396 A 20070625