

Title (en)  
MARINE PROPULSION SYSTEM

Title (de)  
VORTRIEBSSYSTEM FÜR WASSERFAHRZEUGE

Title (fr)  
APPAREIL PROPULSEUR NAVAL

Publication  
**EP 0898548 A1 19990303 (EN)**

Application  
**EP 97902810 A 19970203**

Priority  
• SE 9700163 W 19970203  
• SE 9601793 A 19960512

Abstract (en)  
[origin: WO9743173A1] A propulsive transmission system comprising contra-rotating propellers which are connected to a planet gear in the hub. The planet gear is driven by a horizontal or slightly angled shaft to the sun gear. The sun gear operates at a rotational speed which is considerably greater than that of the motor by gearing up the speed of the motor by one and a half to three times using a step up gear. In parallel with the step up gear, parallel gear wheels can be arranged with clutches in order to temporarily create another gearing ("gear box"). The hub can be mounted in a steerable outboard housing which may also be provided with a trimming arrangement. For an inboard motor having a steerable housing, the power is transmitted via a cardan joint to thereby permit trimming and steering.

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IPC 8 full level  
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**B63H 5/10** (2013.01); **B63H 20/10** (2013.01); **B63H 20/20** (2013.01); **B63H 20/22** (2013.01); **B63H 20/285** (2013.01); **B63H 23/02** (2013.01); **B63H 23/30** (2013.01); **B63H 2005/106** (2013.01); **B63H 2020/006** (2013.01)

Citation (search report)  
See references of WO 9743173A1

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