

Title (en)  
Azimuth propeller apparatus and ship equipped with the apparatus

Title (de)  
Azimut-Vortriebsvorrichtung und damit ausgerüstetes Schiff

Title (fr)  
Propulseur azimutal et bateau équipé avec un tel propulseur

Publication  
**EP 1013544 B1 20041027 (EN)**

Application  
**EP 99125210 A 19991217**

Priority  
• JP 36304798 A 19981221  
• JP 17000799 A 19990616

Abstract (en)  
[origin: EP1013544A2] A vertical shaft (13) is connected at its upper end to the stern of a ship. A rudder plate (23) is secured to the shaft (13), for controlling the course of the ship. A pod (15) is mounted on the intermediate pate of the shaft (13). The pod (15) contains a drive device, which drives a propeller shaft. The propeller (21) connected to the propeller shaft is thereby rotated, generating a force propelling the ship. To alter the course of the ship, the shaft (13) is rotated, thereby rotating the pod (15) and the rudder plate (23). As the rudder plate (23) is thus rotated, a lift is obtained at the plate (23). The lift and the lateral component of the propelling force are combined, applying a lateral force to the hull. <IMAGE>

IPC 1-7  
**B63H 25/42**; **B63H 25/38**; **B63H 5/16**; **B63B 23/24**

IPC 8 full level  
**B63H 5/125** (2006.01); **B63H 25/42** (2006.01)

CPC (source: EP)  
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Cited by  
PL424813A1; CN102958801A; EP1847455A1; CN103097239A; KR101256240B1; JP2014121928A; EP1566332A3; CN109436269A; EP1270402A1; US6688927B2; US6957990B2; NL1037824C2; CN113593355A; CN106604866A; CN106715258A; CN109515666A; EP1384661A1; FR2842784A1; US7147523B2; CN101857082A; EP2236409A3; US7585195B2; US7452253B2; US11352117B1; WO2016046318A1; WO2006056654A1

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