

Title (en)
Power steering system.

Title (de)
Servolenkungssystem.

Title (fr)
Système de direction assistée.

Publication
EP 0671320 A1 19950913 (EN)

Application
EP 94630015 A 19940310

Priority
EP 94630015 A 19940310

Abstract (en)
The power steering system for a marine vehicle has an operator actuatable steering helm (12) and a propulsion unit (14), including a steering arm (38), to effect steering movement thereof about a steering axis (42). The system is interposed between the steering helm (12) and the propulsion unit (14) and mounted remote from the propulsion unit (14), and further is hydraulically actuated in response to operative movement at the steering helm (12). A gear drive means, actuated in response to steering actuation at the helm (12), is operably connected to power steering assist means (10), comprising a hydraulic cylinder-piston assembly (44) and hydraulic fluid source (48). Actuating means for regulating the flow of hydraulic fluid through the power steering assist means (10) is operably connected to the gear drive means. An actuatable output means, preferably a gear output means is operably connected to the power steering assist means (10) for operative movement in response to the actuating means. An actuatable steering means (30), such as a mechanical push-pull cable, is operably connected to the gear output means and to the steering arm (38) for overcoming torque on the propulsion unit (14) relative to the steering axis (42) for effecting common movement of the steering member in response to steering actuation at the steering helm (12) to pivot the propulsion unit (14) about the steering axis (42). <IMAGE> <IMAGE>

IPC 1-7
B63H 20/12; **B63H 25/14**

IPC 8 full level
B63H 20/12 (2006.01); **B63H 25/14** (2006.01)

CPC (source: EP)
B63H 20/12 (2013.01); **B63H 25/14** (2013.01)

Citation (search report)
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Designated contracting state (EPC)
BE DE DK ES FR GB GR IT PT SE

DOCDB simple family (publication)
EP 0671320 A1 19950913

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EP 94630015 A 19940310