

Title (en)

Adjustable-pitch propeller for the propulsion of a vessel.

Title (de)

Verstellpropeller für den Antrieb eines Wasserfahrzeugs.

Title (fr)

Hélice à pas variable pour la propulsion d'un navire.

Publication

**EP 0231503 A1 19870812 (DE)**

Application

**EP 86117737 A 19840912**

Priority

CH 515983 A 19830922

Abstract (en)

[origin: ES8506522A1] A controllable pitch propeller assembly has an inner housing attached to a main drive shaft, the housing having rails on the outer surface thereof. Modules carrying the propeller blades are positively mounted on the rails, each module having a housing receiving a hub cylinder and bushings axially aligned at opposite sides thereof. Each pair of bushings receives an adjusting piston having an adjusting pin which engages a groove forming a control path in a propeller hub. Each blade is adjusted by a control lever which adjusts each adjusting piston through a mechanical linkage including an adjusting sleeve and a thrust bearing and flange.

Abstract (de)

Der Verstellpropeller weist ein auf einer Motorwelle (1) befestigtes Innengehäuse (11) auf, an denen die Propellerblätter (17) tragende Gehäuse mit einer Schwenkvorrichtung befestigt sind. In der von den Innengehäuse (3) und den Gehäusen (11) gebildeten Nabe sind durch die Nabe sich erstreckende Durchgänge (45, 46) vorgesehen, durch die die Abgase des Antriebsmotors des Propellers durchgeleitet werden können.

IPC 1-7

**B63H 3/04**; B63H 21/32

IPC 8 full level

**B63H 3/04** (2006.01)

CPC (source: EP US)

**B63H 3/04** (2013.01 - EP US)

Citation (search report)

- [Y] US 3567334 A 19710302 - LORENZ ELDON L
- [Y] DE 224613 C 19100722 - PAWLIK HUGO
- [Y] US 3406759 A 19681022 - ATA NUTKU

Cited by

EP0360895A1; RU168677U1; DE4000115A1; DE19753927A1; DE19753927C2; US6142735A; EP0921067A2

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**EP 0231503 A1 19870812**; **EP 0231503 B1 19901114**; CA 1237027 A 19880524; CH 668046 A5 19881130; DE 3468850 D1 19880225; DE 3483617 D1 19901220; DK 159764 B 19901203; DK 159764 C 19910722; DK 452484 A 19850323; DK 452484 D0 19840921; EP 0140097 A1 19850508; EP 0140097 B1 19880120; ES 535785 A0 19850801; ES 8506522 A1 19850801; JP S6088696 A 19850518; JP S63101191 A 19880506; NO 158090 B 19880405; NO 158090 C 19880713; NO 843803 L 19850325; US 4599043 A 19860708; US 4744727 A 19880517

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