

Title (en)
Cycloidal propeller

Title (de)
Zykloidalpropeller

Title (fr)
Propulseur cycloidal

Publication
EP 0829423 A3 19991103 (DE)

Application
EP 97114819 A 19970827

Priority
DE 19637833 A 19960917

Abstract (en)
[origin: EP0829423A2] The vanes (1) are adjusted by a central control unit (8) using rods (20,51,52) forming the propeller kinematics (2). Additional devices are provided, which with the rotor blocked, effect an adjustment of the vanes in the trailing or power-off position, in which the vanes extend parallel to one another. The additional devices, when required, bring the vanes out of the trail position into the rudder position again. They (3-5) can be coupled to the vane shaft via disengageable couplings. A further coupling per vane is provided for separating the vane concerned from the propeller kinematics. A rotary motor can be coupled to a vane shaft by a disengageable coupling.

IPC 1-7
B63H 1/10

IPC 8 full level
B63H 1/10 (2006.01); **B63H 25/34** (2006.01); **B63H 25/38** (2006.01)

CPC (source: EP KR US)
B63H 1/10 (2013.01 - EP KR US); **B63H 3/002** (2013.01 - KR); **B63H 3/08** (2013.01 - KR); **B63H 25/34** (2013.01 - EP US); **B63H 25/382** (2013.01 - EP US); **F15B 15/06** (2013.01 - KR); **F15B 15/14** (2013.01 - KR); **B63H 2001/105** (2013.01 - KR); **F15B 2211/7051** (2013.01 - KR); **F15B 2211/71** (2013.01 - KR)

Citation (search report)

- [A] DE 1941652 A1 19710304 - VOITH GMBH J M
- [A] GB 2296048 A 19960619 - MEIKLEJOHN IAN GOODHALL [GB]
- [A] US 4032257 A 19770628 - DE HAAS HENDRIK ANTOON LORENTZ

Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
DE 19637833 C1 19980205; CN 1177560 A 19980401; DE 59707140 D1 20020606; EP 0829423 A2 19980318; EP 0829423 A3 19991103; EP 0829423 B1 20020502; KR 19980024658 A 19980706; US 5993157 A 19991130

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