

Title (en)

Rim driven thruster having propeller drive modules

Title (de)

Felgenbetriebenes Strahlruder mit Propellerantriebsmodulen

Title (fr)

Propulseur à entraînement circonférentiel doté de modules d'entraînement d'hélice

Publication

EP 2594479 A1 20130522 (EN)

Application

EP 11189755 A 20111118

Priority

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Abstract (en)

A rim driven thruster comprises an annular housing, a propulsor assembly, a magnetic rotor assembly and a stator assembly. The annular housing defines a flow path extending along an axis. The propulsor assembly is supported within the housing and comprises propeller blades extending radially from the axis of the flow path. The propeller blades are configured to rotate about the axis. The magnetic rotor assembly is mounted to radially outer ends of the propeller blades. The stator assembly comprises spaced propeller drive modules mounted to an inner circumferential surface of the annular housing. The propeller drive modules are configured to provide electromagnetic torque to the magnetic rotor assembly.

IPC 8 full level

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CPC (source: EP)

B63H 1/16 (2013.01); **B63H 5/15** (2013.01); **B63H 23/24** (2013.01); **B63H 5/125** (2013.01); **B63H 2005/1258** (2013.01); **B63H 2023/005** (2013.01)

Citation (search report)

[XAI] US 5484266 A 19960116 - MURGA JOSE [CH]

Cited by

CN104002950A; CN105398558A; CN114180018A; CN106672186A; CN112874747A

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Designated extension state (EPC)

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