

Title (en)
TUGBOAT HAVING AZIMUTHAL PROPELLING UNITS

Title (de)
SCHLEPPSCHIFF MIT AZIMUTALEN ANTRIEBSEINHEITEN

Title (fr)
REMORQUEUR ÉQUIPÉ D'UNITÉS DE PROPULSION AZIMUTALES

Publication
EP 3523194 B1 20210707 (EN)

Application
EP 17790866 A 20171005

Priority
• NL 2017577 A 20161005
• NL 2017050656 W 20171005

Abstract (en)
[origin: WO2018067008A1] A tugboat (1) having azimuthal propelling units, comprising two juxtaposed azimuthal propelling units (10, 20), characterized in that each of the juxtaposed propelling units (10, 20) has a main shaft (14) with a main axis (11, 21) extending at an angle (α and/or β) relative to a main plane of symmetry (2) and/or to a transverse center plane (5) of the tug boat.

IPC 8 full level
B63B 35/66 (2006.01); **B63H 5/125** (2006.01); **B63H 5/15** (2006.01); **B63H 25/42** (2006.01)

CPC (source: EP US)
B63B 35/66 (2013.01 - EP); **B63H 5/125** (2013.01 - EP US); **B63H 5/15** (2013.01 - EP); **B63H 25/42** (2013.01 - EP); **B63B 35/66** (2013.01 - US); **B63H 5/15** (2013.01 - US); **B63H 25/42** (2013.01 - US); **B63H 2005/1254** (2013.01 - EP US)

Designated contracting state (EPC)
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DOCDB simple family (publication)
WO 2018067008 A1 20180412; AU 2017338597 A1 20190523; CA 3039503 A1 20180412; CL 2019000918 A1 20190726; CO 2019004474 A2 20190731; EP 3523194 A1 20190814; EP 3523194 B1 20210707; ES 2881825 T3 20211130; MX 2019004028 A 20200130; NL 2017577 B1 20180413; SG 11201903051P A 20190530; US 2019283850 A1 20190919

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