

Title (en)

System and method for mooring a floating vessel against a stationary object

Title (de)

System und Verfahren zum Vertäuen eines schwimmenden Fahrzeugs an einem ortsfesten Objekt

Title (fr)

Système et procédé pour amarrer un vaisseau flottant contre un objet fixe

Publication

**EP 2520485 A1 20121107 (EN)**

Application

**EP 12166445 A 20120502**

Priority

NL 2006710 A 20110503

Abstract (en)

A system is provided for mooring a vessel against a stationary object, for example the mast of a wind turbine erected in water. The stationary object comprises at least one substantially vertical bumper bar which is attached to the stationary object by means of an extension. The vessel comprises a hull, an engine for propelling the vessel, and a buffer body which protrudes in relation to the hull. The bumper bar comprises a substantially vertical, inside guide track which substantially faces the stationary object and a substantially vertical, outside guide track which substantially faces away from the stationary object. The vessel comprises at least one engagement arm which at one end is provided with an engagement member. The engagement arm can be moved in relation to the hull between a mooring state, in which the engagement member engages on the inside guide track of the bumper bar and is vertically displaceable along this, and a release state, in which the engagement member is out of engagement with the inside guide track. The buffer body in the mooring state engages on the outside guide track of the bumper bar and is vertically displaceable along this. The inside guide track protrudes sideways in relation to an adjacent part of the extension of the bumper bar such that the engagement member of the engagement arm in the mooring state can be moved past the extension on vertical displacement along the inside guide track of the bumper bar.

IPC 8 full level

**B63B 27/14** (2006.01); **B63B 27/30** (2006.01); **B63B 59/02** (2006.01)

CPC (source: EP)

**B63B 21/00** (2013.01); **E02B 3/24** (2013.01); **B63B 59/02** (2013.01); **B63B 2021/003** (2013.01)

Citation (applicant)

EP 1695902 A2 20060830 - WINDCAT WORKBOATS LTD [GB]

Citation (search report)

- [X] WO 0220343 A1 20020314 - P & R SYSTEMS [NL], et al
- [X] NL 1024196 C2 20041109 - P & R SYSTEMS [NL]
- [A] EP 2298641 A2 20110323 - MOBIMAR OY [FI]
- [A] WO 2005100145 A1 20051027 - JAKOBSSON MIKAEL [SE]
- [T] NL 2003728 A & EP 2316721 A1 20110504 - PRESIGN HOLDING B V [NL], et al

Cited by

EP2757036A3; KR101444325B1; NL2026010A; FR3031956A1; NO341915B1; EP3323708A1; NO20161849A1; EP3141470A1; FR3040682A1; CN112389599A; EP3715239A1; US9796453B2; US9926046B2; JP2021528315A; WO2016116688A1; US11787511B2; GB2510418A; GB2510418B; JP6997423B1; CN116420018A; US2024025520A1; US11964738B2; WO2022176205A1; EP3915866A1; US11760447B2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 2520485 A1 20121107; EP 2520485 B1 20150318; NL 2006710 C2 20121106**

DOCDB simple family (application)

**EP 12166445 A 20120502; NL 2006710 A 20110503**