

Title (en)
MOORING PULLEY TENSIONING SYSTEM

Title (de)
VERTÄUUNGSRIEMENSCHIEBENSANSTREICHUNGSSYSTEM

Title (fr)
SYSTÈME DE TENSIONNEMENT DE POULIE D'AMARRAGE

Publication
EP 3251943 A1 20171206 (EN)

Application
EP 17174598 A 20170606

Priority
• NO 20160964 A 20160603
• US 201615335191 A 20161026

Abstract (en)
The invention relates to a mooring tensioning arrangement for a floating structure or vessel, wherein the mooring tensioning arrangement comprising, an anchor (2), a mooring line (3, 7), a fairlead chain stopper arrangement (12) arranged on the floating vessel (11), a midwater pulley device (4, 4', 4'') and a pulling unit (9, 10, 42, 51,52), said mooring line (3,7) is attached to the anchor (2) at a first end and attached to the pulling unit (9, 10, 10', 42, 51,52) at the second end, said mooring line (3) is extending from the anchor (2) through the fairlead chain stopper arrangement (12), said midwater pulley (4, 4',4'') is adapted to be arranged on a part of the mooring line (3, 7) arranged between the anchor (2) and the fairlead chain stopper arrangement (12), said fairlead chain stopper arrangement (12) comprising a chain stopper (6) interacting with said mooring line (3, 7) and a chain pulley (8) guiding the mooring line (3) through the fairlead chain stopper arrangement (12) and back towards the midwater pulley (4, 4', 4'') and from said midwater pulley (4, 4', 4'') towards said pulling unit (9, 10, 10', 42, 51, 52). The invention also relates to a method for mooring the tensioning arrangement for a floating structure or vessel.

IPC 8 full level
B63B 21/50 (2006.01)

CPC (source: EP)
B63B 21/50 (2013.01)

Citation (search report)
• [X1] US 3151594 A 19641006 - COLLIPP BRUCE G
• [X1] US 4130077 A 19781219 - PERSON ABRAHAM, et al
• [X1] US 5390618 A 19950221 - WOLFF CHRISTIAN V [US], et al
• [I] US 4090462 A 19780523 - MOUNT WADSWORTH W
• [AD] US 2002189522 A1 20021219 - DOVE PETER G S [US], et al
• [AD] US 2014216323 A1 20140807 - MACRAE MICHAEL [FR]

Cited by
CN110316318A; CN117566032A; CN114194331A; GB2595596A; EP3837159A4; GB2595596B; WO2020036615A1; WO2023211285A1

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 3251943 A1 20171206; EP 3251943 B1 20190814; EP 3251942 A1 20171206; EP 3251942 B1 20190102

DOCDB simple family (application)
EP 17174598 A 20170606; EP 17174596 A 20170606