

Title (en)  
A HYDRAULIC MOORING CABLE HOLDING DEVICE

Title (de)  
HYDRAULISCHE ANKERKABELHALTEVORRICHTUNG

Title (fr)  
UN DISPOSITIF HYDRAULIQUE DE MAINTIEN DU CABLE D'AMARRAGE

Publication  
**EP 2411266 B1 20130605 (EN)**

Application  
**EP 10711090 A 20100329**

Priority

- NL 2010050160 W 20100329
- NL 2002680 A 20090327

Abstract (en)  
[origin: WO2010110666A2] A hydraulic mooring cable holding device is provided. The device is designed to provide slack on a mooring cable when a ship moored along a quay rocks due to wind gusts. The device has a hydraulic cylinder with a piston in the hydraulic cylinder, a reservoir for hydraulic liquid and gas, a part of the hydraulic cylinder on a first side of the piston and the reservoir forming an operationally closed hydraulic circuit. A one-way valve is provided between the reservoir and the hydraulic cylinder on said first side of the piston, directed to selectively allow flow of the hydraulic liquid from the reservoir to the hydraulic cylinder. A relief valve is coupled between the reservoir and the hydraulic cylinder on said first side of the piston and directed to selectively allow flow of the hydraulic liquid from the hydraulic cylinder to the reservoir, when a pressure difference between liquid in the hydraulic cylinder and the reservoir exceeds a predetermined threshold. Thus, when the force on a cable due to rocking of the ship exceeds a threshold, the device pays out slack on the cable. When the force decreases sufficiently the device hauls back in the slack.

IPC 8 full level  
**B63B 21/00** (2006.01)

CPC (source: EP)  
**E02B 3/20** (2013.01); **B63B 2021/005** (2013.01)

Cited by  
WO2023103193A1

Designated contracting state (EPC)  
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 SE SI SK SM TR

DOCDB simple family (publication)  
**WO 2010110666 A2 20100930; WO 2010110666 A3 20110421**; AU 2010229451 A1 20111103; AU 2010229451 B2 20150903; CY 1114551 T1 20161005; DK 2411266 T3 20130902; EP 2411266 A2 20120201; EP 2411266 B1 20130605; ES 2426760 T3 20131025; NL 2002680 C2 20100928; NZ 595794 A 20140530; PL 2411266 T3 20131129; PT 2411266 E 20130906

DOCDB simple family (application)  
**NL 2010050160 W 20100329**; AU 2010229451 A 20100329; CY 131100765 T 20130905; DK 10711090 T 20100329; EP 10711090 A 20100329; ES 10711090 T 20100329; NL 2002680 A 20090327; NZ 59579410 A 20100329; PL 10711090 T 20100329; PT 10711090 T 20100329