

Title (en)

MOORING EQUIPMENT FOR USE IN IN-LINE TENSIONING

Title (de)

VERANKERUNGSVORRICHTUNG ZUR VERWENDUNG BEIM IN-LINE-SPANNEN

Title (fr)

ÉQUIPEMENT D'AMARRAGE DESTINÉ À ÊTRE UTILISÉ EN TENSION EN LIGNE

Publication

**EP 4172034 A1 20230503 (EN)**

Application

**EP 21829168 A 20210624**

Priority

- US 202063043403 P 20200624
- US 2021038898 W 20210624

Abstract (en)

[origin: US2021403128A1] Systems and methods for tensioning mooring lines are provided. The systems include an in-line tensioner that may include a removable chainwheel, a tail chain disconnecting table configured for disconnection of a tail chain and docking of an ROV, a chain guide having low-friction pads that reduce frictional engagement between the in-line tensioner and mooring chains, and a target link stopper that is configured to stop movement of the mooring line at a predetermined location, such that the mooring line has a predetermined length and such that a predetermined link of the mooring line is positioned within a gripping zone of latches of the in-line tensioner.

IPC 8 full level

**B63B 21/04** (2006.01); **B63B 21/10** (2006.01); **B63B 21/16** (2006.01); **B63B 21/18** (2006.01); **B63B 21/20** (2006.01); **B63B 21/22** (2006.01)

CPC (source: EP KR US)

**B63B 21/08** (2013.01 - US); **B63B 21/18** (2013.01 - EP KR); **B63B 21/20** (2013.01 - EP); **B63B 21/50** (2013.01 - EP KR US); **B63B 21/08** (2013.01 - EP); **B63B 2021/008** (2013.01 - US); **B63B 2021/505** (2013.01 - EP KR US)

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

**US 2021403128 A1 20211230**; AU 2021296603 A1 20230119; BR 112022026561 A2 20230418; EP 4172034 A1 20230503; JP 2023531712 A 20230725; KR 20230026351 A 20230224; WO 2021262980 A1 20211230

DOCDB simple family (application)

**US 202117357221 A 20210624**; AU 2021296603 A 20210624; BR 112022026561 A 20210624; EP 21829168 A 20210624; JP 2022579864 A 20210624; KR 20227045120 A 20210624; US 2021038898 W 20210624