

Title (en)

AUTOMATIC MOORING APPARATUS FOR WATERCRAFT

Title (de)

AUTOMATISCHE FESTMACHVORRICHTUNG FÜR WASSERFAHRZEUG

Title (fr)

APPAREIL D'AMARRAGE AUTOMATIQUE POUR BATEAU

Publication

**EP 3853116 A1 20210728 (EN)**

Application

**EP 19787397 A 20190822**

Priority

- US 201862734319 P 20180921
- HU 2019000026 W 20190822

Abstract (en)

[origin: WO2020058734A1] A mooring apparatus (10) for automatic mooring and parking a 10-70 feet long watercraft that is built from two dock-finger units (20) fixed to the dock (2). The dock-finger units (20) are equipped with flexible tentacle elements (80) for positioning the watercraft (4) by keeping continuous contact with the hull (6). and they are also equipped with automatic-operated locking mechanisms (40) for catching and locking the watercraft (4). The mooring apparatus (10) has a control panel (90) with a built-in programmable processor (98) and a communication unit (98) that can be accessed from anywhere by communication means, and connected to the harbour IT system.

IPC 8 full level

**B63B 21/00** (2006.01); **B63B 22/02** (2006.01); **B63B 35/34** (2006.01); **E02B 3/06** (2006.01); **E02B 3/20** (2006.01); **E02B 3/24** (2006.01); **E02B 3/26** (2006.01)

CPC (source: EP US)

**B63B 21/00** (2013.01 - EP); **B63B 21/54** (2013.01 - US); **B63B 22/02** (2013.01 - EP); **B63B 35/00** (2013.01 - US); **B63B 35/34** (2013.01 - EP); **E02B 3/068** (2013.01 - US); **E02B 3/24** (2013.01 - US); **E02B 3/26** (2013.01 - EP); **E02B 3/28** (2013.01 - EP); **B63B 2021/003** (2013.01 - EP US); **E02B 3/26** (2013.01 - US)

Citation (search report)

See references of WO 2020058734A1

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)

**WO 2020058734 A1 20200326**; AU 2019343334 A1 20210527; CA 3112992 A1 20200326; CN 112823118 A 20210518; EP 3853116 A1 20210728; EP 3853116 B1 20220914; HU E060623 T2 20230428; MX 2021003284 A 20210531; US 2021354790 A1 20211118

DOCDB simple family (application)

**HU 2019000026 W 20190822**; AU 2019343334 A 20190822; CA 3112992 A 20190822; CN 201980061855 A 20190822; EP 19787397 A 20190822; HU E19787397 A 20190822; MX 2021003284 A 20190822; US 201917278408 A 20190822