

Title (en)
SHIFTING TOOL FOR MOORING ROPE AND MOORING WINCH

Title (de)
VERSCHIEBEWERKZEUG FÜR VERANKERUNGSSEIL UND VERANKERUNGSWINDE

Title (fr)
OUTIL DE DÉCALAGE POUR CORDE D'AMARRAGE ET TREUIL D'AMARRAGE

Publication
EP 3459901 B1 20200513 (EN)

Application
EP 18188478 A 20180810

Priority
JP 2017183503 A 20170925

Abstract (en)
[origin: EP3459901A1] A shifting tool for a mooring rope (10) attachable to a mooring winch (11) includes an outside fixing member (25), a partition side fixing member (26), and a guiding member (27). The mooring winch (11) includes a drum (13) having outside flanges (12) on both sides. The drum (13) is divided into a storage section (22) and a tension section (23) for a mooring rope (20) by a partition flange (21) provided with a notch (24). The outside fixing member (25) is fixed to the outside flange (12) on the storage section (22) side. The partition side fixing member (26) is fixed to the partition flange (21). The guiding member (27) spanned between the outside fixing member (25) and the partition side fixing member (26) moves the mooring rope (20), which is wound onto the storage section (22) along with rotation of the drum (13), toward the notch (24).

IPC 8 full level
B66D 1/30 (2006.01)

CPC (source: CN EP KR)
B63B 21/16 (2013.01 - CN KR); **B66D 1/26** (2013.01 - KR); **B66D 1/28** (2013.01 - CN); **B66D 1/30** (2013.01 - EP); **B66D 1/60** (2013.01 - KR); **B66D 1/76** (2013.01 - CN); **B63B 2205/00** (2013.01 - KR); **B63B 2221/00** (2013.01 - KR)

Cited by
CN113860084A

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

DOCDB simple family (publication)
EP 3459901 A1 20190327; **EP 3459901 B1 20200513**; CN 109553016 A 20190402; CN 109553016 B 20191126; JP 2019059261 A 20190418; JP 6318295 B1 20180425; KR 101975434 B1 20190507; KR 20190035492 A 20190403; SG 10201806572W A 20190429; TW 201914899 A 20190416; TW I660882 B 20190601

DOCDB simple family (application)
EP 18188478 A 20180810; CN 201810958925 A 20180822; JP 2017183503 A 20170925; KR 20180096557 A 20180820; SG 10201806572W A 20180801; TW 107126082 A 20180727