Title (en)

FLAT ANCHOR WITH CLAWS

Title (de)

FLACHER ANKER MIT KLAUEN

Title (fr)

ANCRE PLATE AVEC DES GRIFFES

Publication

EP 3347265 A1 20180718 (FR)

Application

EP 16785542 A 20160907

Priority

- FR 1501848 A 20150907
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Abstract (en)

[origin: WO2017042443A1] The present invention relates to an improvement to the hooking of a flat marine anchor to the sea floor by facilitating the tilting of the flukes immediately upon the backward motion of the ship, while maintaining its stability on the bottom. Originally, the weight of the flukes, acting as a pivot with the crown (6) of the flat anchor and resting on the bottom, hooked the anchor by digging into the bottom upon the backward motion of the ship. Depending on the sea bottom type, the opening became unpredictable, since the anchor would slip before opening and the ship would lose precious meters in a rocky area. Moreover, the anchor would tilt upon its side, slip and become unhooked. The device according to the invention overcomes this drawback. It comprises two claws attached to the sides of the flukes or near the crown on the axis of rotation of the flukes. This enables the latter to tilt and immediately hook to the bottom upon the anchor touching the bottom; thus, upon the backward motion of the ship, the anchor is already open and is immediately hooked; this provides additional hooking to the bottom and prevents or slows down the slippage of the anchor on the bottom by means of four hooking points instead of two.

IPC 8 full level

B63B 21/44 (2006.01)

CPC (source: EP US)

B63B 21/42 (2013.01 - US); **B63B 21/44** (2013.01 - EP US)

Citation (search report)

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DOCDB simple family (publication)

FR 3040683 A1 20170310; CN 108025802 A 20180511; CN 108025802 B 20201023; CY 1123302 T1 20211231; EP 3347265 A1 20180718; EP 3347265 B1 20200603; ES 2813553 T3 20210324; PL 3347265 T3 20201130; PT 3347265 T 20200907; US 10766575 B2 20200908; US 11332218 B2 20220517; US 2019039693 A1 20190207; US 2020361570 A1 20201119; WO 2017042443 A1 20170316

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