

Title (en)

DEVICE FOR MOORING FLOATING SURFACE FACILITIES AND ASSOCIATED METHOD

Title (de)

VORRICHTUNG ZUM VERTÄUEN VON SCHWIMMENDEN OBERFLÄCHENANLAGEN, UND ENTSPRECHENDES VERFAHREN

Title (fr)

DISPOSITIF D'AMARRAGE D'INSTALLATIONS FLOTTANTES DE SURFACE ET SON PROCÉDÉ

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Application

EP 19169516 A 20190416

Priority

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Abstract (en)

[origin: WO2020212440A1] The invention relates to a device (1) for mooring a floating object (9) in a body of water in an area with physical constraints corresponding to predetermined conditions of use of the device, the device comprising: - anchoring means (2) for anchoring the device (1) to the bottom of the body of water; - securing means (3, 3') for securing the floating object (9) to the mooring device (1); a linkage assembly (4) comprising a mast (40) and a sliding element (41), the mast (40) being connected to the anchoring means (2) at one of the ends thereof (400) and cooperating at the other end (401) thereof with the sliding element (41) connected to the securing means (3), such that the linkage assembly (4) can have a variable length depending on the physical constraints. According to the invention, the mooring device (1) has a variable length between at least two positions: - a first short position, and - a second extended position. The linkage assembly (4) further comprises means (42) for correcting the buoyancy of the device (1) within a buoyancy range defined by the conditions of use of the mooring device (1).

Abstract (fr)

La présente invention se rapporte à un dispositif d'amarrage d'une plateforme ou d'un objet de surface sur un plan d'eau comprenant un élément coulissant (4, 6, 7 et 8) destiné à coopérer avec un cylindre équipé d'une double paroi (5) contenant de l'air, ledit dispositif d'amarrage étant apte à maintenir la plateforme ou l'objet de surface sensiblement parallèle au plan d'eau et à amortir ses oscillations lorsque ladite plateforme ou ledit objet de surface est soumis à des contraintes physiques telles que la houle, les marées, les effets de surcotes, les courants, la crue et/ou le vent tout en la/le laissant libre dans sa giration.

IPC 8 full level

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CPC (source: EP)

B63B 21/50 (2013.01); **B63B 2021/001** (2013.01); **B63B 2021/501** (2013.01)

Citation (search report)

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