

Title (en)

Device for displacing bottom material under water and method for applying such a device

Title (de)

Vorrichtung zur Verlagerung von Bodenmaterial unter Wasser, und Verfahren zur Anwendung einer solchen Vorrichtung

Title (fr)

Dispositif permettant de déplacer un matériau inférieur sous l'eau et procédé d'application d'un tel dispositif

Publication

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Application

EP 12175117 A 20120705

Priority

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Abstract (en)

The invention relates to a device (1) for displacing bottom material (26) under water. The device comprises a frame (2) which is displaceable under water by being coupled to a vessel (17). The frame (2) comprises a tubular liquid container (3) with outflow openings (7) for a liquid directed toward the bottom (22), wherein the outflow openings (7) are placed such that during use the liquid is injected into or against the bottom (22). The device further comprises suction means (5a, 5b) driven by means of a drive (18) for supplying the liquid under pressure from a source to the container (3), wherein the suction means are situated under water during use, in addition to a pusher member (13) bounded on a base part thereof by a cutting edge (14). The invention also relates to a method for displacing bottom material under water by making use of a device according to the invention. The invented device can be utilized more flexibly than the existing device and is moreover more efficient.

IPC 8 full level

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Citation (applicant)

NL 8300990 A 19841016 - IR REIJER NICOLAAS VAN WEEZENB

Citation (search report)

- [XYI] WO 9851395 A1 19981119 - ORANGE COUNTY WATER DISTRICT [US]
- [Y] NL 1008503 C2 19990907 - DREDGING INT [BE]
- [Y] WO 02090667 A1 20021114 - PROGENITIVE SERVICES LTD [GB], et al
- [Y] WO 9527832 A1 19951019 - HOLLANDSCHE BETONGROEP NV [NL], et al

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