

Title (en)

Device and method for dredging bed material under water

Title (de)

Vorrichtung und Verfahren zum Ausbaggern von Schüttgut unter Wasser

Title (fr)

Dispositif et procédé de dragage de matériau de fond de lit sous l'eau

Publication

**EP 2682528 A2 20140108 (EN)**

Application

**EP 13175430 A 20130705**

Priority

BE 201200473 A 20120706

Abstract (en)

The invention relates to a device and method for dredging bed material under water. The device (1) comprises a vessel (4) which can be anchored to an underwater bed (2) and has a ladder (8) which can be positioned downwards at an angle (6) into the body of water (7) from the vessel (4) and which is provided with a cutting tool (10) at its free end, the cutting tool (10) comprising a number of excavating elements (103, 105) arranged around a common rotation axis (101). The cutting tool (10) comprises a passage (106) for dug-up bed material which adjoins an inlet end of a discharge means (13) for the dug-up bed material, which discharge means (13) comprises a carrier (13) for the bed material which is driven by means of a mechanical drive, which carrier comprises two conveyor belts which rotate in opposite directions of rotation across each other at the same time. The invention makes it possible to dig up underwater beds while preventing sediment spill.

IPC 8 full level

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Citation (applicant)

- NL 1031253 C2 20070829 - VOSTA LMG BV [NL]
- US 1540276 A 19250602 - NICHOLS WESLEY G

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