

Title (en)

Method and apparatus for removing mud from below an underwater construction.

Title (de)

Verfahren und Vorrichtung zum Entfernen von Schlamm unterhalb einer Unterwasserkonstruktion.

Title (fr)

Méthode et dispositif pour enlever la vase du dessous d'une construction sous-marine.

Publication

EP 0105570 A1 19840418 (EN)

Application

EP 83201431 A 19831005

Priority

NL 8203863 A 19821005

Abstract (en)

The invention relates to a method and apparatus for removing mud from below an under water construction by means of a tube inserted into the mud layer and moved through the mud layer from which tube (4) air is directed through a row of openings (5) in a downward and forward direction. Said tube (5) may at its outer ends have guiding flanges (16,17) connected with drawing means (19,20,21,22,23,24) for adjusting the angular position of the air jets (5). The tube (28) may be moved in an angular position with respect to the direction of movement (6) or may be V-shaped having its point directing in the direction of movement. A second tube (10) may be moved in synchronism with the first tube (4) said second tube having upwardly extending outlet openings (11) for air for creating an air screen, which generates a water flow for directing the direction of flow of the air bubbles with particles generated by the first tube (4).

IPC 1-7

E02D 17/00; **E02B 1/00**; **E02B 3/02**

IPC 8 full level

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CPC (source: EP)

E02B 1/003 (2013.01); **E02B 3/02** (2013.01); **E02D 17/00** (2013.01); **E02F 5/287** (2013.01)

Citation (applicant)

- FR 2303123 A1 19761001 - GUERINEAU CHRISTIANE [FR]
- US 3698193 A 19721017 - DAYMOND STEWART F

Citation (search report)

- [YD] FR 2303123 A1 19761001 - GUERINEAU CHRISTIANE [FR]
- [YD] US 3698193 A 19721017 - DAYMOND STEWART F
- [A] GB 2038902 A 19800730 - VNII GIDROTEKH MELIORAT
- [A] GB 830701 A 19600316 - GEORG SCHUBACK
- [A] US 3461674 A 19690819 - KATZER MELVIN F, et al
- [A] US 2192115 A 19400227 - WARE ELMER G

Cited by

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Designated contracting state (EPC)

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