

Title (en)

Dredging equipment and method for seafloors having pollutants and/or toxicants

Title (de)

Baggerausrüstung und Verfahren für Meeresböden mit Schadstoffen und/oder Giftstoffen

Title (fr)

Équipement de dragage et procédé pour fonds océaniques ayant des polluants et/ou des substances toxiques

Publication

EP 2808452 A1 20141203 (EN)

Application

EP 14170710 A 20140530

Priority

IT RN20130019 A 20130530

Abstract (en)

The equipment (1) dredges the seafloors with pollutants and/or toxicants and comprises: - a self-propelled machine (3) moving on a seafloor (2); - canalization means (4) of the pollutant and/or toxicant removed from the seafloor (2) sending to a collection center (5); and - an electronic management and control unit (8) of the dredging equipment (1) itself. The self-propelled machine (3) comprises: - a bell (11) adapted to rest on the seafloor (2); - a sediments sucking device (13) installed in the underwater bell (11) interior; the sediments sucking device (13) being jointed to the canalization means (4); - a weight setting device (14) of the underwater bell (11) immersed in the water; and - a motion device (16) of the underwater bell (11) along the seafloor (2). The equipment also comprises pipelines (27, 28) having their intake port turned towards the seafloor (2); each pipeline (27, 28) having an end turned towards the seafloor (2) and an end that canalizes the collected sediments into a chamber (29) from which the canalization means (4) originate.

IPC 8 full level

E02F 3/88 (2006.01)

CPC (source: EP)

E02F 3/8866 (2013.01)

Citation (search report)

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- [A] US 2012216435 A1 20120830 - WEN CHAN-HUI [TW]
- [A] WO 2012158028 A1 20121122 - IHC HOLLAND IE BV [NL], et al
- [A] JP S62146328 A 19870630 - NODATSUKU KK, et al

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ES2684359A1; CN114045894A; IT202000001489A1; IT201900000088A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2808452 A1 20141203; EP 2808452 B1 20160706; IT RN20130019 A1 20141201

DOCDB simple family (application)

EP 14170710 A 20140530; IT RN20130019 A 20130530