

Title (en)

DEVICE FOR EXTRACTING SOLID MATERIAL ON THE BED OF A BODY OF WATER, AND ASSOCIATED METHOD

Title (de)

VORRICHTUNG ZUR EXTRAKTION EINES FESTSTOFFES AUS DEM GRUND EINES GEWÄSSERS UND ENTSPRECHENDES VERFAHREN

Title (fr)

DISPOSITIF D'EXTRACTION DE MATÉRIAU SOLIDE SUR LE FOND D'UNE ÉTENDUE D'EAU ET PROCÉDÉ ASSOCIÉ

Publication

**EP 2702210 A1 20140305 (FR)**

Application

**EP 12720464 A 20120427**

Priority

- FR 1153590 A 20110427
- EP 2012057800 W 20120427

Abstract (en)

[origin: WO2012146730A1] The invention relates to a device comprising: an assembly (22) for collecting material on the bed (12) of a body of water (14), a riser (48) for lifting the solid material, and a pump (90) for lifting the solid material collected by the collection assembly (22) in the riser (48) toward the surface facility (26). The device also comprises a separator (42) for generating a stream having a high content of solid material and a stream having a low content of solid material, said separator (42) including a lower outlet (76) for discharging the stream rich in solid material. The device comprises an upstream hose (40) connecting the collection assembly (22) to the separator (42), and an intermediate pipe (44) connecting said or each discharge outlet (76) to the riser (48), the delivery outlet (100) of the pump being tapped into the intermediate pipe (44).

IPC 8 full level

**E02F 7/00** (2006.01); **E02F 5/28** (2006.01); **E02F 7/10** (2006.01)

CPC (source: EP KR US)

**E02F 3/88** (2013.01 - KR); **E02F 3/902** (2013.01 - EP US); **E02F 5/28** (2013.01 - KR); **E02F 7/00** (2013.01 - KR); **E02F 7/005** (2013.01 - EP US); **E02F 7/065** (2013.01 - EP US); **E02F 7/10** (2013.01 - KR)

Citation (search report)

See references of WO 2012146730A1

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

DOCDB simple family (publication)

**WO 2012146730 A1 20121101**; AU 2012247461 A1 20131107; AU 2012247461 B2 20170817; BR 112013027782 A2 20170117; BR 112013027782 B1 20201215; BR 112013027782 B8 20210105; CA 2833650 A1 20121101; CA 2833650 C 20190409; EP 2702210 A1 20140305; FR 2974585 A1 20121102; FR 2974585 B1 20130607; JP 2014512469 A 20140522; KR 20140030166 A 20140311; NZ 617710 A 20150529; RU 2013147618 A 20150427; US 2014041262 A1 20140213; US 9062434 B2 20150623

DOCDB simple family (application)

**EP 2012057800 W 20120427**; AU 2012247461 A 20120427; BR 112013027782 A 20120427; CA 2833650 A 20120427; EP 12720464 A 20120427; FR 1153590 A 20110427; JP 2014506891 A 20120427; KR 20137028037 A 20120427; NZ 61771012 A 20120427; RU 2013147618 A 20120427; US 201214113242 A 20120427