

Title (en)
SUCTION PILE SUITABLE FOR SHALLOW DEPTHS

Title (de)
FÜR HOHLE TIEFEN GEEIGNETER SAUGPFAHL

Title (fr)
PILE DE SUCCION ADAPTÉE AUX FAIBLES PROFONDEURS

Publication
EP 2049388 A2 20090422 (FR)

Application
EP 07803873 A 20070716

Priority

- FR 2007001213 W 20070716
- FR 0606882 A 20060727

Abstract (en)
[origin: WO2008012414A2] The invention relates to a suction pile (10) comprising a cylindrical wall (12) and a piston that is movable (14) inside said cylindrical wall (12), said cylindrical wall having one suction end (24) suitable for sinking into an ocean floor (50), said piston (14) delimiting two chambers, one being able to be filled with water, said suction pile (10) including pumping means (56) for extracting the water from said one of said chambers (20) and causing the sinking of said suction end (24); according to the invention, it comprises means (28, 30, 32, 38, 40) of stopping said piston (14), while said cylindrical wall (12) has one water intake end (26) to allow water to enter into the other chamber (22); and said piston (14) is alternatively stopped and driven in movement as the suction end (24) sinks.

IPC 8 full level
B63B 21/27 (2006.01)

CPC (source: EP US)
B63B 21/27 (2013.01 - EP US)

Citation (search report)
See references of WO 2008012414A2

Cited by
AU2014259119B2; WO2014174366A1; KR20150009780A; US9587766B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
WO 2008012414 A2 20080131; WO 2008012414 A3 20080403; AT E495969 T1 20110215; AU 2007279162 A1 20080131; AU 2007279162 B2 20120223; BR PI0715476 A2 20130319; DE 602007012112 D1 20110303; EA 014442 B1 20101230; EA 200900231 A1 20090828; EP 2049388 A2 20090422; EP 2049388 B1 20110119; ES 2359177 T3 20110519; FR 2904336 A1 20080201; FR 2904336 B1 20080926; US 2010021241 A1 20100128; US 8021082 B2 20110920

DOCDB simple family (application)
FR 2007001213 W 20070716; AT 07803873 T 20070716; AU 2007279162 A 20070716; BR PI0715476 A 20070716; DE 602007012112 T 20070716; EA 200900231 A 20070716; EP 07803873 A 20070716; ES 07803873 T 20070716; FR 0606882 A 20060727; US 37473807 A 20070716