

Title (en)

APPARATUS FOR CLEANING A SUBMERGED SURFACE AND HAVING A PUMPING ENGINE OUTSIDE THE HYDRAULIC SYSTEM

Title (de)

VORRICHTUNG ZUR REINIGUNG EINER UNTERGETAUCHTEN FLÄCHE UND MIT EINEM PUMPMOTOR AUSSERHALB DES HYDRAULISCHEN SYSTEMS

Title (fr)

APPAREIL NETTOYEUR DE SURFACE IMMERGÉE À MOTEUR DE POMPAGE HORS DU CIRCUIT HYDRAULIQUE

Publication

EP 2235295 B1 20110706 (FR)

Application

EP 08864693 A 20081218

Priority

- FR 2008052372 W 20081218
- FR 0708999 A 20071221

Abstract (en)

[origin: WO2009081062A2] The invention relates to an apparatus for cleaning a submerged surface, that comprises: a hollow body; members (2, 3, 4) for driving the body; a filtration chamber (8) having a liquid inlet (9) and a liquid outlet (10); a filtering device (11) removably mounted in the filtration chamber (8); a hydraulic circuit for liquid flow between the inlet (9) and the outlet (10) through the filtering device (11); an axial pumping impeller (14) provided in the hydraulic system; a flap (6) for accessing the filtering device (11); characterised in that the pumping impeller (14) is oriented so as to generate a liquid flow with a horizontal component towards the rear, the outlet (10) being provided opposite the impeller, the pumping engine (12) is provided under the hydraulic system, the access flap (6) is provided above and/or at the front of the hydraulic system so that the filtering device (11) can be disassembled from the top and/or at the front.

IPC 8 full level

E04H 4/16 (2006.01)

CPC (source: EP US)

E04H 4/1654 (2013.01 - EP US)

Designated contracting state (EPC)

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

DOCDB simple family (publication)

FR 2925554 A1 20090626; FR 2925554 B1 20100312; AT E515611 T1 20110715; AU 2008339721 A1 20090702; AU 2008339721 B2 20140724; CA 2709897 A1 20090702; CA 2709897 C 20150414; EP 2235295 A2 20101006; EP 2235295 B1 20110706; ES 2369234 T3 20111128; PT 2235295 E 20110930; US 2011000034 A1 20110106; US 8393033 B2 20130312; WO 2009081062 A2 20090702; WO 2009081062 A3 20090911; ZA 201005175 B 20111228

DOCDB simple family (application)

FR 0708999 A 20071221; AT 08864693 T 20081218; AU 2008339721 A 20081218; CA 2709897 A 20081218; EP 08864693 A 20081218; ES 08864693 T 20081218; FR 2008052372 W 20081218; PT 08864693 T 20081218; US 80868308 A 20081218; ZA 201005175 A 20100720