

Title (en)

APPARATUS FOR CLEANING A SUBMERGED SURFACE WITH EASY DRAINAGE

Title (de)

VORRICHTUNG ZUR REINIGUNG EINER UNTERGETAUCHTEN FLÄCHE MIT LEICHTEM ABLOSS

Title (fr)

APPAREIL NETTOYEUR DE SURFACE IMMERGÉE À VIDANGE AISÉE

Publication

EP 2235291 A2 20101006 (FR)

Application

EP 08863580 A 20081217

Priority

- FR 2008052343 W 20081217
- FR 0709000 A 20071221

Abstract (en)

[origin: WO2009081040A2] The invention relates to an apparatus for cleaning a submerged surface, that comprises a hollow body and members for driving the body on the submerged surface, a filtration chamber having a liquid inlet (9) and a liquid outlet (10), a hydraulic circuit for the liquid flow between the inlet (9) and the outlet (10) via a filtration device (11), and a handle for moving the body so that a user can carry the same for submerging it or removing it from the liquid, characterised in that the liquid outlet (10) is provided at a longitudinal end of the body and in that the manoeuvring handle is connected to the body at an opposite end so that, when the body is hanging from the handle, it spontaneously tilts under the action of gravity into a drainage position in which the liquid outlet (10) is located underneath the liquid inlet (9).

IPC 8 full level

E04H 4/16 (2006.01)

CPC (source: EP US)

E04H 4/1654 (2013.01 - EP US)

Citation (search report)

See references of WO 2009081040A2

Cited by

WO2015150710A1; US10914092B2; US11473325B2; US11802418B2

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

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

FR 2925555 A1 20090626; FR 2925555 B1 20100122; AT E527418 T1 20111015; AU 2008339696 A1 20090702; AU 2008339696 B2 20141211; CA 2709857 A1 20090702; CA 2709857 C 20150224; EP 2235291 A2 20101006; EP 2235291 B1 20111005; US 2011023247 A1 20110203; US 8393034 B2 20130312; WO 2009081040 A2 20090702; WO 2009081040 A3 20090911; ZA 201005170 B 20120125

DOCDB simple family (application)

FR 0709000 A 20071221; AT 08863580 T 20081217; AU 2008339696 A 20081217; CA 2709857 A 20081217; EP 08863580 A 20081217; FR 2008052343 W 20081217; US 80868708 A 20081217; ZA 201005170 A 20100720