

Title (en)

Automated pool cleaning vehicle with scrubber apparatus

Title (de)

Automatisches Poolreinigungsfahrzeug mit Scheuervorrichtung

Title (fr)

Véhicule de nettoyage de piscine automatique avec appareil épurateur

Publication

EP 2743429 A1 20140618 (EN)

Application

EP 13197509 A 20131216

Priority

US 201213717601 A 20121217

Abstract (en)

An automated fully submersible pool cleaning vehicle (PCV) (20) having both cleaning (40) and scrubbing (36, 60) structures. The PCV includes spaced wheels (30, 32) and wheel covers (34) over the wheels include scrubbing elements (36, 60). The PCV also includes a cleaning brush (42) which dislodges particulates and facilitates the particulates being sucked into the intakes and then a filtering member.

IPC 8 full level

E04H 4/16 (2006.01)

CPC (source: EP US)

E04H 4/1654 (2013.01 - EP US)

Citation (applicant)

- US 7867389 B2 20110111 - HUI WING-KIN [HK]
- US 2009255070 A1 20091015 - HUI WING-KIN [HK]
- US 2012102665 A1 20120503 - HUI WING-KIN [HK], et al

Citation (search report)

- [XAYI] EP 2163711 A2 20100317 - HAYWARD IND INC [US]
- [XYI] EP 2450505 A1 20120509 - MULTI WISDOM LTD [CN]
- [XI] DE 202011051889 U1 20120119 - MAYTRONICS LTD [IL]
- [XI] EP 2447449 A2 20120502 - UNITED TOP CORP LTD [CN]

Cited by

USD1020144S; CN108776479A; US9909333B2; US9885194B1; US10767382B2; US9885196B2; US9896858B1; US10156083B2; US10253517B2; US10557278B2; US11236523B2; US12065854B2

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 2743429 A1 20140618; EP 2743429 B1 20161005; CN 103867000 A 20140618; ES 2607756 T3 20170403

DOCDB simple family (application)

EP 13197509 A 20131216; CN 201310723693 A 20131217; ES 13197509 T 20131216