

Title (en)

Automated pool cleaning vehicle with rotating and stationary scrubbing elements

Title (de)

Automatisches Poolreinigungsfahrzeug mit rotierenden und stationären Scheuerelementen

Title (fr)

Véhicule de nettoyage de piscine automatique avec éléments d'épuration rotatifs et fixes

Publication

EP 2743430 B1 20200715 (EN)

Application

EP 13197511 A 20131216

Priority

US 201213717621 A 20121217

Abstract (en)

[origin: EP2743430A2] Disclosed herein is a submersible pool cleaning vehicle (PCV) (20) having both cleaning and scrubbing structures. The PCV includes spaced wheels (30) and several sets of scrubbing members (60,62,64). Each of the scrubbing members includes a plurality of scrubbing elements. The PCV also includes a cleaning brush (42) for dislodging particles. In one exemplary embodiment, the PCV includes a fixed scrubbing member (60) and two rotating scrubbing members (62,64). The rotating scrubbing members act cooperatively and create a current after dislodging particles and dirt from the pool surface. The rotating scrubbing members direct the current carrying such dislodged material toward the intakes of the PCV so that it can be permanently removed from the pool water.

IPC 8 full level

E04H 4/16 (2006.01); **E04H 17/14** (2006.01)

CPC (source: EP US)

E04H 4/1654 (2013.01 - EP US)

Citation (examination)

EP 0483470 A1 19920506 - 3S SYSTEMTECHN AG [CH]

Cited by

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

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