

Title (en)

Pool cleaner with contoured base

Title (de)

Schwimmbeckenreiniger mit konturierter Grundfläche

Title (fr)

Nettoyeur de piscine avec base profilée

Publication

EP 1980686 A2 20081015 (EN)

Application

EP 08153859 A 20080331

Priority

CN 200710087378 A 20070403

Abstract (en)

Disclosed herein is a swimming pool cleaner vehicle. The pool cleaner includes a body, which defines a hollow interior. The body has at least one intake port. The body has at least one outlet port. The pool cleaner includes various wheels and rollers and various combinations of wheels and rollers for moving the vehicle. The vehicle includes a bottom and the bottom is concave inwards. This invention describes a swimming pool cleaner with bottom concave inwards towards the hollow interior for overcoming swimming pool floor obstacles when it runs in a swimming pool. The pool cleaning vehicle improves cleaning efficiency without affecting swimming pool cleaner reliability and cost of maintenance, or affecting the required partial vacuum and water flow rate. Additionally, having the intake port(s) at appropriate location(s) such as at close proximity to the wheels and/or rollers or combinations ensures water containing dirt and debris is sucked into the pool cleaner.

IPC 8 full level

E04H 4/16 (2006.01)

CPC (source: EP US)

E04H 4/1654 (2013.01 - EP US)

Cited by

CN102465614A; EP1980687A3; EP2186969A3; EP2460951A3; EP1980687A2

Designated contracting state (EPC)

DE ES FR GB

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

EP 1980686 A2 20081015; EP 1980686 A3 20081126; CN 100593621 C 20100310; CN 101280633 A 20081008; US 2008295264 A1 20081204

DOCDB simple family (application)

EP 08153859 A 20080331; CN 200710087378 A 20070403; US 4493108 A 20080307