

Title (en)  
SWIMMING POOL CLEANING APPARATUS COMPRISING AN OBSTACLE CLEARANCE DEVICE

Title (de)  
SCHWIMMBECKENREINIGER MIT HINDERNISBESEITIGUNGSVORRICHTUNG

Title (fr)  
APPAREIL NETTOYEUR DE PISCINE À DISPOSITIF DE FRANCHISSEMENT D'OBSTACLE

Publication  
**EP 3365514 B1 20211229 (FR)**

Application  
**EP 16809461 A 20161020**

Priority  
• FR 1560038 A 20151021  
• FR 2016052708 W 20161020

Abstract (en)  
[origin: WO2017068286A1] The invention relates to a swimming pool cleaning apparatus comprising: a body (11); and means for driving and guiding the body (11), including at least two pairs of wheels, namely at the front (32) and back (33), characterised in that the means for driving the apparatus also comprise an intermediate wheel (31) mounted to pivot about a rotation axis (34) and disposed between the front wheel (32) and the back wheel (33), on at least one of the two sides of the apparatus, the diameter and the position of the rotation axis (34) of said intermediate wheel (31) being such that the wheel does not touch the guiding plane XrYr when the robot is bearing on same, said guiding plane XrYr being defined by the contact points between the front and back wheels and the ground.

IPC 8 full level  
**E04H 4/16** (2006.01)

CPC (source: EP US)  
**E04H 4/1654** (2013.01 - EP US)

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

DOCDB simple family (publication)  
**WO 2017068286 A1 20170427**; AU 2016342523 A1 20180510; AU 2016342523 B2 20201022; EP 3365514 A1 20180829; EP 3365514 B1 20211229; ES 2905427 T3 20220408; FR 3042808 A1 20170428; FR 3042808 B1 20190913; US 10400467 B2 20190903; US 2017114561 A1 20170427; US 2018283028 A9 20181004; ZA 201802578 B 20210224

DOCDB simple family (application)  
**FR 2016052708 W 20161020**; AU 2016342523 A 20161020; EP 16809461 A 20161020; ES 16809461 T 20161020; FR 1560038 A 20151021; US 201615331609 A 20161021; ZA 201802578 A 20180418