

Title (en)
SELF CLEANING POOL CLEANER

Title (de)
SELBSTREINIGENDER SCHWIMMBECKENREINIGER

Title (fr)
NETTOYEUR DE PISCINE AUTONETTOYANT

Publication
EP 3205793 A1 20170816 (EN)

Application
EP 17155604 A 20170210

Priority
US 201662293783 P 20160211

Abstract (en)
A pool cleaner that may include a drive mechanism for moving the pool cleaner; a housing that has a first fluid opening and a second fluid opening; a filtering unit that comprises a filter enclosure and a filtering element; a fluid flow mechanism for inducing a flow of fluid through the filtering element in a first direction during a filtering process and for inducing a flow of the fluid through the filtering element at a substantially opposite direction during a backwash process; and a debris trap that is configured to receive debris from the filtering element during the backwash process and to substantially prevent the debris from exiting the debris trap during the filtering process.

IPC 8 full level
E04H 4/16 (2006.01)

CPC (source: EP)
E04H 4/1654 (2013.01)

Citation (applicant)
IL 2013051055 W 20131222

Citation (search report)
• [XII] US 2014014140 A1 20140116 - CORREA WILLIAM LONDONO [US]
• [XII] EP 2821564 A2 20150107 - AQUATRON ROBOTIC TECHNOLOGY LTD [IL]
• [XII] US 2014076789 A1 20140320 - SHLOMI-SHLOMI IDAN [IL], et al

Cited by
EP4403724A1; CN113694652A; CN114558857A; FR3071530A1; CN114592580A; AU2018335965B2; US11111686B2; WO2024042463A1; WO2019057968A1

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 3205793 A1 20170816; EP 3205793 B1 20200923; EP 3613925 A1 20200226; EP 3613925 B1 20220105; ES 2832574 T3 20210610; ES 2910255 T3 20220512

DOCDB simple family (application)
EP 17155604 A 20170210; EP 19199406 A 20170210; ES 17155604 T 20170210; ES 19199406 T 20170210