

Title (en)

Automatic pool cleaner for cleaning a pool with minimum power consumption and method thereof

Title (de)

Automatischer Schwimmbeckenreiniger zum Reinigen eines Schwimmbeckens mit minimalem Stromverbrauch und Verfahren dafür

Title (fr)

Nettoyeur automatique de piscine pour nettoyer une piscine avec un minimum de consommation d'énergie et procédé associé

Publication

EP 2607573 A3 20170412 (EN)

Application

EP 12198112 A 20121219

Priority

IL 21709311 A 20111219

Abstract (en)

[origin: EP2607573A2] An automatic pool cleaner (10), comprising a pump unit (230), a control unit (280) and a sensor (60), the sensor (60) configured to detect foreign objects in the pool. The control unit (280) configured to activate the pump unit (230) at a first power level which is less than full power when a foreign object is not detected by the sensor (60), and further configured to activate the pump unit (230) at a second power level, which is greater than the first power level, in response to a signal from the sensor unit (150) indicating the detection of a foreign object.

IPC 8 full level

E04H 4/16 (2006.01)

CPC (source: EP US)

E04H 4/1654 (2013.01 - EP US)

Citation (search report)

- [XAI] EP 0811432 A2 19971210 - PEHRSON JONAS [SE]
- [XI] US 5205174 A 19930427 - SILVERMAN EUGENE B [US], et al
- [XAI] US 2006225771 A1 20061012 - CRAWFORD WILLIAM R III [US], et al
- [XI] JP 2001029910 A 20010206 - TOKYO ELECTRIC POWER CO, et al
- [XI] EP 1041220 A2 20001004 - AQUAPRODUCTS INC [US]

Cited by

WO2017055737A1; WO2016177978A1; FR3041980A1; FR3035906A1; AU2016257063B2; EP3262252A4; EP3673232A4; EP4235343A3; US10107000B2; WO2019040653A1; US11339580B2; US11767679B2; US11306500B2; US11629516B2; US10961738B2; US11828082B2

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 2607573 A2 20130626; EP 2607573 A3 20170412; EP 2607573 B1 20200408; ES 2804524 T3 20210208; IL 217093 A0 20120229; IL 217093 A 20150630; US 2013152970 A1 20130620

DOCDB simple family (application)

EP 12198112 A 20121219; ES 12198112 T 20121219; IL 21709311 A 20111219; US 201213719633 A 20121219