

Title (en)

Arrangement system of a robot in a swimming pool

Title (de)

Einordnungssystem eines Roboters in einem Schwimmbad

Title (fr)

Système de rangement d'un robot dans une piscine

Publication

EP 2236701 B1 20200923 (FR)

Application

EP 10156154 A 20100311

Priority

FR 0951974 A 20090330

Abstract (en)

[origin: EP2236701A1] The system has a deployment piston (110A) connected to a cleaner robot (100A) and moved in a pipe communicating with a swimming pool. A pressure device generates extra pressure in the pipe during a cleaning stage of the swimming pool so as to drive the deployment piston to a position in the pipe. A suction device generates suction in the pipe during a water filtering stage of the swimming pool when the robot is inactive so as to suck the deployment piston to another position in the pipe in order to permit a stowing process of the robot in the latter position.

IPC 8 full level

E04H 4/16 (2006.01)

CPC (source: EP US)

E04H 4/1654 (2013.01 - EP US); **E04H 4/1672** (2013.01 - EP); **E04H 4/1681** (2013.01 - EP US)

Citation (examination)

- US 4449260 A 19840522 - WHITAKER BRACKSTON T [US]
- US 3665525 A 19720530 - HOWARD HERBERT H

Designated contracting state (EPC)

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 SE SI SK SM TR

DOCDB simple family (publication)

EP 2236701 A1 20101006; EP 2236701 B1 20200923; FR 2943705 A1 20101001; FR 2943705 B1 20110603; US 2010242165 A1 20100930; US 8782823 B2 20140722

DOCDB simple family (application)

EP 10156154 A 20100311; FR 0951974 A 20090330; US 73153210 A 20100325