Title (en)
  Method for cleaning a tank using a robot

Title (de)
  Reinigungsverfahren eines Beckens mit Hilfe eines Roboters

Title (fr)
  Procédé de nettoyage d'un bassin à l'aide d'un robot

Publication
  EP 2824256 A3 20150401 (FR)

Application
  EP 14176788 A 20140711

Priority
  FR 1356818 A 20130711

Abstract (en)
  [origin: US2015027959A1] A method, for cleaning a pool with N vertical walls using a robot, comprising adjusting the robot against the vertical wall of rank n=1. The robot advances along the vertical wall of rank n until the vertical wall of rank n+1 is detected. The robot retracts over a release distance in order to be released from the vertical wall of rank n+1. The robot makes a rotation on itself in order to be adjusted against the vertical wall of rank n+1. Checking whether n is equal to N, in the negative case, the cleaning method continues with an incrementation step where "n" is incremented by "1", and then looping onto the advancement step. In the positive case, the cleaning method continues with a finishing step where the robot advances along the vertical wall of rank "1" until the vertical wall of rank "2" is detected.

IPC 8 full level
  E04H 4/16 (2006.01)

CPC (source: EP US)
  E04H 4/1654 (2013.01 - EP US); Y10S 901/01 (2013.01 - EP US)

Citation (search report)
  • [A] US 2003102014 A1 20030605 - YOSHINO JUNJI [JP]
  • [A] US 5569371 A 19961029 - PERLING JEREMY [IL]

Cited by
  US12031351B2; WO2021183297A1

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 2824256 A2 20150114; **EP 2824256 A3 20150401**; **EP 2824256 B1 20160914**; ES 2606979 T3 20170328; FR 3008442 A1 20150116; FR 3008442 B1 20150821; US 2015027959 A1 20150129; US 9353542 B2 20160531

DOCDB simple family (application)
  EP 14176788 A 20140711; ES 14176788 T 20140711; FR 1356818 A 20130711; US 201414328836 A 20140711