

Title (en)

Functioning method and cleaning device for swimming pools

Title (de)

Arbeitsverfahren und Reinigungsgerät zum Reinigen eines Schwimmbeckens

Title (fr)

Méthode de fonctionnement et appareil de nettoyage d'un bassin de natation

Publication

EP 0483677 B1 19970409 (DE)

Application

EP 91118211 A 19911025

Priority

- CH 303291 A 19911016
- CH 347090 A 19901031

Abstract (en)

[origin: JPH04281967A] PURPOSE: To carry out optimum cleaning by detecting and avoiding an obstacle or the like in a device for cleaning a swimming pool. CONSTITUTION: When a front-side contact rail 18 is operated, a cleaning device 100 is rotated around the axis of the device in a plane until a rear-side switch rail 20 is operated. A signal being detected at that time is used to change a traveling device to retreat traveling and at the same time to straighten out the cleaning device 100 at a place where an obstacle exists. The signal related to the straightening-out is used for changing the traveling device to advance traveling. During a motion direction due to at least one sensor 25 being provided in a casing 1 of the cleaning device, an instantaneous motion direction regarding a running line or being directed toward a running zone-shaped part is detected. The amount of deviation being detected at that time is converted to the signal, and is switched to advance and retreat traveling for reciprocating in a swimming pool so that it can be used to correct direction motion.

IPC 1-7

E04H 4/16

IPC 8 full level

E04H 4/00 (2006.01); **E04H 4/16** (2006.01)

CPC (source: EP US)

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Cited by

US5435031A; CN110777922A; EP2581525A3; EP0989256A1; FR2781243A1; EP0750083A1; FR2735437A1; US7534894B2; US6309468B1; WO9502103A1; US12000169B2

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