

Title (en)
FUNCTIONING METHOD AND CLEANING DEVICE FOR SWIMMING POOLS

Publication
EP 0483677 A3 19920923 (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.

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E04H 4/16

IPC 8 full level
E04H 4/00 (2006.01); **E04H 4/16** (2006.01)

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

Citation (search report)
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• [AD] EP 0257006 A2 19880224 - NYSTROM MIKAEL
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• [A] US 4692956 A 19870915 - KASSIS AMIN I [US]
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Designated contracting state (EPC)
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