

Title (en)

Working method and cleaning apparatus for cleaning a swimming-pool

Title (de)

Arbeitsverfahren und Reinigungsgerät zum Reinigen eines Schwimmbeckens

Title (fr)

Procédé de travail et appareil de nettoyage pour nettoyer une piscine

Publication

EP 0989256 B1 20031119 (DE)

Application

EP 99117503 A 19990904

Priority

CH 194098 A 19980923

Abstract (en)

[origin: EP0989256A1] Motors are provided for left and right-hand side movement mechanism parts. A control device controls the movement mechanism with front and rear side contact devices for production of control signals in the event of the cleaning unit (2) coming into contact with the swimming pool wall (3) or an obstruction. The control device for each movement mechanism part has a speed regulating device and equipment for a differential control of the speed of the two motors. The cleaning unit on both movement mechanism parts has devices for measurement of the distances (d1,d2) covered during the backward and forward movement. The control device calculates the direction alteration angle (R1,R2) for the moving cleaning unit on the basis of the measured covered distances. The control device also calculates a width (v) of the movement path and controls it differentially.

IPC 1-7

E04H 4/16

IPC 8 full level

A47L 9/00 (2006.01); **E04H 4/16** (2006.01)

CPC (source: EP US)

E04H 4/1654 (2013.01 - EP US)

Cited by

CN102799180A; EP1826338A3; US7682461B2; US7987543B2

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 0989256 A1 20000329; **EP 0989256 B1 20031119**; AT E254711 T1 20031215; DE 59907788 D1 20031224; ES 2210925 T3 20040701; JP 2000093360 A 20000404; US 6309468 B1 20011030

DOCDB simple family (application)

EP 99117503 A 19990904; AT 99117503 T 19990904; DE 59907788 T 19990904; ES 99117503 T 19990904; JP 30445799 A 19990921; US 40420499 A 19990923