

Title (en)
AUTOMATIC POOL CLEANER

Publication
EP 0220131 B1 19900228 (DE)

Application
EP 86810417 A 19860922

Priority
CH 411385 A 19850924

Abstract (en)
[origin: US4852211A] Two suction disks are rotatably mounted at the bottom of a housing divided into two filter chambers with a turbine chamber situated between them. A turbine disposed in the latter chamber can be connected by means of a riser and a suction line to a circulating pump. The turbine drives the suction disks in opposite directions of rotation by means of gearing. The turbine chamber communicates with each of the filter chambers through respective openings which can be closed by valve flaps. By means of a driving lever and a shifting bar, one valve flap is alternately opened and the other closed, whereby the suction effect is alternately changed over from one suction disk to the other.

IPC 1-7
E04H 4/16

IPC 8 full level
E04H 4/16 (2006.01)

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

Cited by
US12031351B2; EP3012386A1; WO2021183297A1; EP0483470B1

Designated contracting state (EPC)
AT DE FR

DOCDB simple family (publication)
EP 0220131 A1 19870429; EP 0220131 B1 19900228; AT E50614 T1 19900315; AU 585393 B2 19890615; AU 6305886 A 19870326; CA 1283513 C 19910430; CH 671065 A5 19890731; DE 3669184 D1 19900405; US 4852211 A 19890801

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EP 86810417 A 19860922; AT 86810417 T 19860922; AU 6305886 A 19860923; CA 518814 A 19860923; CH 411385 A 19850924; DE 3669184 T 19860922; US 21529788 A 19880705