

Title (en)
AUTOMATIC CLEANING APPARATUS FOR AN UNDER-WATER SURFACE

Publication
EP 0314259 B1 19920122 (FR)

Application
EP 88202702 A 19850613

Priority
• EP 88202702 A 19850613
• FR 8411609 A 19840711

Abstract (en)
[origin: EP0314259A2] The invention relates to an apparatus for automatically cleaning a surface submerged in a liquid. This apparatus is of the type comprising an on-board electrical drive motor and an on-board electric pump. At least one moveable finger (26) is arranged on one side of the body in order to cause the apparatus to pivot, this finger being associated with remote-control means (23, 24, 35) for moving it. <IMAGE>

IPC 1-7
E04H 4/12

IPC 8 full level
E04H 4/16 (2006.01)

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

Cited by
US5617600A; US5706539A; FR2731168A1; US5245723A; EP0657603A1; US5435031A; US2015314453A1; US9903130B2; US10161153B2; US9677294B2; US10214933B2; US9885195B1; US9909333B2; US10364905B2; US10676950B2; US10161154B2; WO9502103A1; US9885194B1; US10767382B2; FR2818681A1; US7117554B2; US9758979B2; US9784007B2; EP0483470B1; US9878739B1; US9885196B2; US9896858B1; US10155538B2; US10156083B2; US10253517B2; US10557278B2; US11236523B2; US12065854B2

Designated contracting state (EPC)
AT BE CH DE GB IT LI LU NL SE

DOCDB simple family (publication)
EP 0314259 A2 19890503; EP 0314259 A3 19900725; EP 0314259 B1 19920122; AT E72008 T1 19920215

DOCDB simple family (application)
EP 88202702 A 19850613; AT 88202702 T 19850613