

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

Publication
EP 0169589 B1 19900509 (FR)

Application
EP 85200932 A 19850613

Priority
FR 8411609 A 19840711

Abstract (en)
[origin: EP0169589A1] 1. Automatic cleaning apparatus for an under-water surface, comprising a hollow body (5), devices for driving said body on the surface to be cleaned (21), a reversible electric motor (12) provided within the body with a view to transmitting a rotary motion to said driving devices, means for feeding electric current to said motor comprising means for sequentially reversing the direction of the electric current, a filtration chamber (5a) situated within the body, an inlet (6a) for liquid leading into the filtration chamber situated at the bottom of the body, a pump (14) driven by an electric motor (11) so as to cause the liquid to circulate within the filtration chamber, and an outlet (7) for the liquid delivered by the pump, situated opposite the base of the body, said cleaning apparatus being characterised in that the electric motor of the pump (11) is associated with means for electric feeding (33) comprising means for sequential interruption, capable of giving rise to a predetermined or random cut-out frequency of said electric feed for the duration of predetermined or random cut-out periods.

IPC 1-7
E04H 4/12

IPC 8 full level
E04H 4/12 (2006.01); **E04H 4/16** (2006.01)

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

Cited by
FR2990032A1; EP1689956A4; FR2929310A1; EP1122382A1; WO2005045162A1; WO2009125130A3; US8397331B2; US9791840B2; US10191483B2

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

DOCDB simple family (publication)
EP 0169589 A1 19860129; EP 0169589 B1 19900509; AT E52563 T1 19900515; DE 3577585 D1 19900613; DE 3585288 D1 19920305; ES 287971 U 19860501; ES 287971 Y 19870616; FR 2567552 A1 19860117; FR 2567552 B1 19861205

DOCDB simple family (application)
EP 85200932 A 19850613; AT 85200932 T 19850613; DE 3577585 T 19850613; DE 3585288 T 19850613; ES 287971 U 19850709; FR 8411609 A 19840711