

Title (en)

Hydraulic sweeper for swimming pool and similar.

Title (de)

Hydraulische Saugmaschine für Schwimmbecken.

Title (fr)

Dispositif de balai hydraulique pour bassin de piscine et analogue.

Publication

EP 0468876 A1 19920129 (FR)

Application

EP 91402037 A 19910723

Priority

FR 9009511 A 19900725

Abstract (en)

Hydraulic sweeper in which a suction pump (5) is provided in order to suck up the water from the pool by means of a tube (6), characterised in that it comprises a housing (7), open at its base, the said housing being divided into two compartments (21a, 21b) by a partition (22) delimiting the intake of a turbine (25) whose rotor (26) drives a shaft (28) connected via a speed-reducing and transmission mechanism (29) to wheels (15, 16) for supporting the housing whose compartment (21a) located downstream from the turbine (25, 26) is connected to the tube (6) leading to the pump (5). <IMAGE>

Abstract (fr)

Dispositif de balai hydraulique pour bassin de piscine et analogue dans lequel une pompe aspirante (5) est prévue pour aspirer l'eau du bassin par un tube (6), caractérisé en ce qu'il comporte un boîtier (7) ouvert à sa base, ledit boîtier étant divisé en deux compartiments (21a, 21b) par une cloison (22) délimitant l'admission d'une turbine (25) dont le rotor (26) entraîne un arbre (28) relié par un mécanisme réducteur et de transmission (29) à des roues (15, 16) de support du boîtier dont le compartiment (21a) situé en aval de la turbine (25, 26) est relié au tube (6) menant à la pompe (5). <IMAGE>

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); **E04H 4/1672** (2013.01 - EP)

Citation (search report)

- [YD] DE 2529183 A1 19760122 - BIERI PUMPENBAU AG
- [Y] US 3229315 A 19660118 - WATSON BENJAMIN H
- [AD] CH 648893 A5 19850415 - STRAUSAK BENEDIKT
- [AD] US 4168557 A 19790925 - RASCH WILHELM, et al
- [AD] FR 2583997 A1 19870102 - TRULOCK PROD LTD [NZ]
- [AD] US 3676884 A 19720718 - WULC STANLEY S
- [AD] EP 0352487 A1 19900131 - EGATECHNICS SRL [IT]

Cited by

US5617600A; EP0565226A1; FR2925549A1; US6199237B1; AU748873B2; EP4442933A1; EP1925593A3; EP3266750A1; US9909333B2; US8518269B2; US10364905B2; WO2009081056A3; US9885194B1; US10767382B2; US9920498B2; US10017908B2; US8627533B2; US10161154B2; US10066411B2; US10876318B2; US10947750B2; US12018510B2; US6601255B1; US9758979B2; US9784007B2; US9957693B2; US7820055B2; US8062514B2; US8070942B2; US9708822B2; US11453603B2; US11649180B2; US9878739B1; US9885196B2; US9896858B1; US10155538B2; US10156083B2; US10253517B2; US10364585B2; US10557278B2; US11236523B2; US12065854B2

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

EP 0468876 A1 19920129; EP 0468876 B1 19950215; AT E118586 T1 19950315; AU 643808 B2 19931125; AU 8131491 A 19920130; CA 2047862 A1 19920126; DE 69107364 D1 19950323; FR 2665209 A1 19920131; US 5172445 A 19921222; ZA 915833 B 19920429

DOCDB simple family (application)

EP 91402037 A 19910723; AT 91402037 T 19910723; AU 8131491 A 19910724; CA 2047862 A 19910725; DE 69107364 T 19910723; FR 9009511 A 19900725; US 73531091 A 19910724; ZA 915833 A 19910725