

Title (en)

SWIMMING POOL PRESSURE CLEANER WITH INTERNAL STEERING MECHANISM

Title (de)

DRUCKREINIGER FÜR SCHWIMMBECKEN MIT INTEGRIERTEM STEUERMECHANISMUS

Title (fr)

DISPOSITIF DE NETTOYAGE A AIR COMPRIME POUR PISCINE POURVU D'UN MECANISME DE GUIDAGE INTERNE

Publication

EP 1290293 B1 20100120 (EN)

Application

EP 00937904 A 20000526

Priority

US 0014770 W 20000526

Abstract (en)

[origin: WO0192663A1] A swimming pool pressure cleaner (20) of the type motivated by water flow through it having: a set of two wheels (22a, b) rotatably mounted to the body (24); a turbine housing (38) having a water-flow chamber (40) with an inlet (70) and an outlet (74), the inlet held in proximity to the pool surface (54); a vaned rotor (48) rotatably mounted in the chamber; one or more one venturi jets (66a, b) secured to the body and oriented to direct water into the inlet to rotate the turbine and cause flow from the pool into the inlet; a drive member (76) secured to the rotor and a drive train extending to the wheels for synchronous rotation on the pool surface; a cam (100) rotatably secured to the body and drive by the rotor through reduction gearing (106); and a linkage (94) from the cam to one wheel (22a) to periodically interrupt the synchronous rotation of the wheels on the pool surface and change pool cleaner direction.

IPC 8 full level

E04H 4/16 (2006.01)

CPC (source: EP)

E04H 4/1654 (2013.01)

Cited by

WO2011161389A1; US9212498B2

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)

WO 0192663 A1 20011206; WO 0192663 A8 20020228; AT E455914 T1 20100215; AU 2000253018 A1 20020228; AU 2000253018 B2 20060706; AU 5301800 A 20011211; CA 2414101 A1 20011206; CA 2414101 C 20060801; DE 60043749 D1 20100311; EP 1290293 A1 20030312; EP 1290293 A4 20040414; EP 1290293 B1 20100120; ES 2339915 T3 20100527

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US 0014770 W 20000526; AT 00937904 T 20000526; AU 2000253018 A 20000526; AU 5301800 A 20000526; CA 2414101 A 20000526; DE 60043749 T 20000526; EP 00937904 A 20000526; ES 00937904 T 20000526