

Title (en)

FLOOR CLEANING DEVICE OF SMALL HEIGHT

Title (de)

BODENREINIGUNGSGERÄT MIT GERINGER BAUHÖHE

Title (fr)

APPAREIL DE NETTOYAGE DE SOLS DE FAIBLE HAUTEUR

Publication

EP 1365674 A1 20031203 (DE)

Application

EP 02703606 A 20020228

Priority

- DE 10110907 A 20010307
- EP 0202127 W 20020228

Abstract (en)

[origin: WO02069774A1] The invention relates to a floor cleaning device (10), comprising a suction turbine (40) with a driven turbine wheel (44) that rotates about a turbine axis (54), and a substantially horizontal suction channel (35) via which the suction turbine (40) is fluidically linked with a suction opening (33) facing the floor area to be cleaned. The suction channel forms a dirt collector (67) and houses a dirt filter (37). In order to provide a floor cleaning device (10) with an overall height that is as small as possible while still ensuring a potent suction flow in the area of the suction opening (33), the suction turbine (40) is mounted on the suction channel (35) with its turbine axis (54) being aligned at an angle to the vertical.

IPC 1-7

A47L 5/22; **A47L 9/22**

IPC 8 full level

A47L 5/22 (2006.01); **A47L 9/22** (2006.01); **A47L 11/202** (2006.01); **A47L 11/24** (2006.01)

CPC (source: EP US)

A47L 5/22 (2013.01 - EP US); **A47L 9/22** (2013.01 - EP US); **A47L 11/202** (2013.01 - EP US); **A47L 11/24** (2013.01 - EP US); **A47L 11/4027** (2013.01 - EP US); **A47L 11/4041** (2013.01 - EP US); **A47L 11/4044** (2013.01 - EP US)

Citation (search report)

See references of WO 02069774A1

Cited by

WO2014094834A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

WO 02069774 A1 20020912; AT E418902 T1 20090115; CN 1239119 C 20060201; CN 1494392 A 20040505; DE 10110907 A1 20020919; DE 50213166 D1 20090212; EP 1365674 A1 20031203; EP 1365674 B1 20081231; US 2004074044 A1 20040422

DOCDB simple family (application)

EP 0202127 W 20020228; AT 02703606 T 20020228; CN 02805969 A 20020228; DE 10110907 A 20010307; DE 50213166 T 20020228; EP 02703606 A 20020228; US 64173403 A 20030815