

Title (en)

Mini sucking battery motorbrush.

Title (de)

Batterie-betriebene Haushaltskehrmaschine mit einer Saugvorrichtung und Bürsten.

Title (fr)

Balayeuse domestique aspirante, à brosses, actionnée par batteries.

Publication

EP 0367732 A1 19900509 (EN)

Application

EP 89830470 A 19891025

Priority

IT 4252188 A 19881031

Abstract (en)

The mini sucking battery motor-brush comprises a hollow framework (22), with wheels (11) and steering-drive handle (1), housing an electric duster (7) actuated by a series of batteries (6) and a closed extractable dust container (25). On the outside front of the framework (22) there is a movable block (18) on a supporting pin (19). Bolts (12) hold two counter-revolving adjustable brushes (9) in horizontal and vertical sense actuated by two motor reducers (8). An inclined and articulated shoot (26-32) is attached in two parts, the second one (32) being secured by bolts (34) to the first articulated part (26), so that pivoting it continuously skims the floor (24) (or the ground) surface following any depressions, causing the rubbish and dust to be picked and thrown into the closed container (25). The electric duster (7) is lodged in the framework (22) and is connected to a vertical suction conduit (39) inserted in the framework (22). At the end of the cleaning operation said container (25) can be extracted from the framework (22) and emptied.

IPC 1-7

A47L 11/24; E01H 1/08

IPC 8 full level

A47L 11/24 (2006.01); **E01H 1/08** (2006.01)

CPC (source: EP)

A47L 11/24 (2013.01); **A47L 11/4005** (2013.01); **A47L 11/4025** (2013.01); **A47L 11/4027** (2013.01); **A47L 11/4033** (2013.01); **A47L 11/4038** (2013.01); **A47L 11/4044** (2013.01); **A47L 11/4058** (2013.01); **A47L 11/4061** (2013.01); **A47L 11/4069** (2013.01); **E01H 1/0845** (2013.01)

Citation (search report)

- [A] US 3436788 A 19690408 - TAMNY SIMON
- [A] GB 1097670 A 19680103 - OKAMURA MFG CO LTD
- [A] GB 1104300 A 19680221 - OKAMURA MFG CO LTD
- [A] GB 1421076 A 19760114 - HAAGA H

Cited by

DE102016002922A1; DE102014002226A1; DE102014002227A1; CN110151064A; CN102525340A; CN110250985A; CN109850577A; CN110432836A; DE4101888A1; US5231724A; CN114319213A; AU703016B2; CN102885601A; EP2659825A1; GB2501747A; DE202016001593U1; DE212015000070U1; WO9622724A1; DE202014001491U1; WO2015124311A1; DE212015000069U1; DE202014001492U1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

EP 0367732 A1 19900509; EP 0367732 B1 19930519; AT E89475 T1 19930615; DE 68906644 D1 19930624; DE 68906644 T2 19931007; IT 1225847 B 19901207; IT 8842521 A0 19881031

DOCDB simple family (application)

EP 89830470 A 19891025; AT 89830470 T 19891025; DE 68906644 T 19891025; IT 4252188 A 19881031