

Title (en)

HAND-PUSHED FLOOR-WASHING MACHINE CAPABLE OF WASHING IN MULTIPLE DIRECTIONS

Title (de)

HANDGEFÜHRTE, IN MEHREREN RICHTUNGEN REINIGENDE BODENREINIGUNGSMASCHINE

Title (fr)

MACHINE À LAVER LE SOL POUSSÉE À LA MAIN PERMETTANT DE LAVER DANS PLUSIEURS DIRECTIONS

Publication

EP 3744224 A1 20201202 (EN)

Application

EP 19912203 A 20191022

Priority

- CN 201910235835 A 20190327
- CN 2019112413 W 20191022

Abstract (en)

The present invention relates to a hand-push scrubber capable of multi-directional cleaning, including a main body, a frame, a handle connecting rod, a handle, a button, a hub motor, a swing head, and a vacuum motor, the main body including a brush disc motor, a motor mounting plate, a rotating assembly, a squeegee assembly, a locker, and a brush disc. The rotating assembly includes a connecting sleeve, a mounting sleeve, and a bottom cover ring, and the squeegee assembly includes a copper sleeve, a squeegee bracket, a pin shaft, a rubber pad, and a squeegee. The squeegee of the present invention can rotate by 180 degrees in both directions, so that the squeegee can enter low space such as space under a table or space under a bed to perform cleaning, etc. The squeegee has a multi-directional cleaning function, greatly improving a use effect and expanding an application range. In addition, the squeegee further implements flexible turning by using two hub motors during travelling, saving time and efforts, and is easy to operate.

IPC 8 full level

A47L 11/28 (2006.01); **A47L 11/40** (2006.01)

CPC (source: EP)

A47L 11/1625 (2013.01); **A47L 11/201** (2013.01); **A47L 11/2025** (2013.01); **A47L 11/283** (2013.01); **A47L 11/305** (2013.01)

Cited by

CN112790679A; EP4129142A1; IT202100020930A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3744224 A1 20201202; **EP 3744224 A4 20210324**; **EP 3744224 B1 20220202**; CN 109758051 A 20190517; CN 109758051 B 20240319; WO 2020192101 A1 20201001

DOCDB simple family (application)

EP 19912203 A 20191022; CN 201910235835 A 20190327; CN 2019112413 W 20191022