

Title (en)
SELF-PROPELLED AND SELF-STEERING FLOOR CLEANING DEVICE

Title (de)
SELBSTFAHRENDES UND SELBSTLENKENDES BODENREINIGUNGSGERÄT

Title (fr)
APPAREIL DE NETTOYAGE DE SOL AUTOMOTEUR ET AUTOGUIDÉ

Publication
EP 3592193 A1 20200115 (DE)

Application
EP 17764404 A 20170908

Priority
• EP 2017055396 W 20170308
• EP 2017072629 W 20170908

Abstract (en)
[origin: WO2018162091A1] The invention relates to a self-propelled and self-steering floor cleaning device. The floor cleaning device (10) comprises a cleaning unit (32) comprising a cleaning roller (36) for wet cleaning a floor surface (12), and a dirt reservoir (62) for dirt collected by the cleaning roller (36). The cleaning roller (36) guides dirt in the overthrow sweeping mode into dirt reservoir (62) arranged behind the cleaning roller (36) with respect to the main direction of movement (26) of the floor cleaning device (10), and the cleaning unit (32) comprises a brush roller (34) upstream of the cleaning roller (36) for brushing away dirt from the floor surface (12).

IPC 8 full level
A47L 11/292 (2006.01); **A47L 11/40** (2006.01)

CPC (source: CN EP)
A47L 11/292 (2013.01 - CN); **A47L 11/40** (2013.01 - CN); **A47L 11/4013** (2013.01 - CN); **A47L 11/4016** (2013.01 - EP); **A47L 11/4025** (2013.01 - EP); **A47L 11/4036** (2013.01 - CN); **A47L 11/4041** (2013.01 - CN EP); **A47L 11/4044** (2013.01 - EP); **A47L 11/4066** (2013.01 - CN); **A47L 11/4069** (2013.01 - CN); **A47L 11/408** (2013.01 - CN); **A47L 11/4083** (2013.01 - EP); **A47L 2201/00** (2013.01 - EP)

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)
WO 2018162091 A1 20180913; CN 110352029 A 20191018; CN 110352029 B 20220301; CN 114515125 A 20220520; CN 114515125 B 20231212; DE 112017007192 A5 20191121; EP 3592193 A1 20200115; EP 3592193 B1 20210303; EP 3841941 A1 20210630; EP 3841941 B1 20240828; PL 3592193 T3 20210906; WO 2018162092 A1 20180913

DOCDB simple family (application)
EP 2017072562 W 20170908; CN 201780087829 A 20170908; CN 202210156633 A 20170908; DE 112017007192 T 20170908; EP 17764404 A 20170908; EP 2017072629 W 20170908; EP 21157051 A 20170908; PL 17764404 T 20170908