

Title (en)  
SELF-MOVING GROUND TREATMENT DEVICE

Title (de)  
SELBSTBEWEGENDE BODENBEHANDLUNGSVORRICHTUNG

Title (fr)  
DISPOSITIF DE TRAITEMENT DU SOL AUTOMOTEUR

Publication  
**EP 3241477 A1 20171108 (EN)**

Application  
**EP 15875253 A 20151230**

Priority  
• CN 201410852059 A 20141231  
• CN 2015099786 W 20151230

Abstract (en)  
A self-moving floor treatment device (A) comprises a machine body base (100) and a water tank (200). A cleaning cloth (210) is attached onto the bottom of the water tank (200), and the water tank (200) is connected to the bottom surface of the machine body base (100) in a manner of floating up and down. By mounting the water tank (200) on the machine body base (100) in a floating manner to leave a certain gap therebetween, the water tank (200) and the cleaning cloth (210) can float up and down within a certain range of space. Because the force that actually acts on the floor is just the gravity of the water tank (200) and the cleaning cloth (210) themselves and does not comprise the gravity of the machine, compared with a common product, the friction force between the cleaning cloth (210) and the floor is reduced, the phenomenon that the machine slips on the floor with water can be effectively avoided, the floor cleaning efficiency is improved and the obstacle crossing ability of the machine with the water tank (200) is improved.

IPC 8 full level  
**A47L 11/24** (2006.01)

CPC (source: EP US)  
**A47L 11/24** (2013.01 - US); **A47L 11/28** (2013.01 - US); **A47L 11/4058** (2013.01 - EP); **A47L 11/4083** (2013.01 - EP US);  
**A47L 2201/00** (2013.01 - EP US)

Cited by  
EP4014828A4; JP2022542423A; EP3925507A4; US11974707B2

Designated contracting state (EPC)  
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Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 3241477 A1 20171108; EP 3241477 A4 20181003**; CN 105796015 A 20160727; US 2017367552 A1 20171228;  
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