

Title (en)  
FLOOR CLEANING SYSTEM

Title (de)  
BODENREINIGUNGSSYSTEM

Title (fr)  
SYSTÈME DE NETTOYAGE DES SOLS

Publication  
**EP 2641524 A4 20141231 (EN)**

Application  
**EP 11841565 A 20111108**

Priority  
• ES 201031677 A 20101115  
• ES 2011070768 W 20111108

Abstract (en)  
[origin: EP2641524A1] The invention is based on the rotation of a roller (2) mounted on a structure comprising two containers, one on top of the other, in such a way that, when said roller (2) rotates, as it comes into contact with the floor, it collects particles and liquids, driving the particles into the first container (1) where they are stored, while a draining element (9) drains the liquids collected by the roller into the second container (1'). Water is applied to the roller (2) from an upper receptacle (7) that ends in a tip with a type of scraper (8) for preventing rotation of the roller (2) in the opposite direction and for cleaning off particles that may be adhered to the roller. Flexible bristles (17) or mop strips are provided in the upper and rear part of the container (1) so that, when the set is in the inverted position, after being rotated and tipping up, a sweeping and/or mopping action is performed. Said set comprises a pivoting handle (18) and a skid (13) for clearing obstacles and uneven parts.

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CPC (source: EP ES KR US)  
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Citation (search report)  
• [A] US 4875246 A 19891024 - MACGREGOR FRANCIS W [US]  
• See references of WO 2012066170A1

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US10959593B2; EP3524116A3; CN106869065A; GB2521824A; GB2521824B; US10349797B2; US10881258B2; WO2017152973A1; US10959590B2; US10327619B2; US10362920B2; US10912438B2; US11058274B2; US10786130B2; US11457790B2; US11998148B2; US12096894B2

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