

Title (en)
Industrial and domestic cleaning machine

Title (de)
Industrie- und Haushaltsreinigungsmaschine

Title (fr)
Machine de nettoyage industriel ou domestique

Publication
EP 2263509 A3 20130327 (EN)

Application
EP 10165789 A 20100614

Priority
ES 200930328 A 20090618

Abstract (en)
[origin: EP2263509A2] Industrial and domestic cleaner, particularly destined for cleaning tile joints, which comprises a head (1) with a handle (4) on the upper part having an on/off switch, rolling means on the lower part of said head (1) and a disc brush (3) with filaments disposed in an upright position on its front part, actuated by an electric motor with a rechargeable battery, in such a manner that on moving it over the tile joint it removes the dirt incrustated therein. It has a detachable ergonomic handle (6) having an on/off switch, in such a manner as to facilitate use of the cleaner when applied to floor tile joints or places out of the user's reach. It also has a vacuum aspirator for collecting the descaled dirt, in addition to a deposit for applying water and/or detergent.

IPC 8 full level
A47L 11/26 (2006.01); **E04F 21/165** (2006.01)

CPC (source: EP ES)
A47L 11/26 (2013.01 - EP ES); **A47L 11/4008** (2013.01 - EP); **A47L 11/4038** (2013.01 - EP); **A47L 11/4075** (2013.01 - EP);
A47L 11/4083 (2013.01 - EP); **A47L 11/4094** (2013.01 - EP)

Citation (search report)
• [X] US 2008229530 A1 20080925 - KORDICK ERIC [US]
• [A] US 5412829 A 19950509 - HEFNER ESTHER L [US]
• [AD] JP 2005270164 A 20051006 - SAOTOME KK

Cited by
CN112566534A; CN111424999A; CN106388736A; CN107252279A; EP2708174A3; EP3369355A1; US9420932B2; US10159394B2;
US10702117B2

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 SE SI SK SM TR

Designated extension state (EPC)
BA ME RS

DOCDB simple family (publication)
EP 2263509 A2 20101222; **EP 2263509 A3 20130327**; ES 2376110 A1 20120309; ES 2376110 B1 20130130

DOCDB simple family (application)
EP 10165789 A 20100614; ES 200930328 A 20090618