

Title (en)

PORTABLE HARD SURFACE CLEANING DEVICE

Title (de)

TRAGBARES HARTFLÄCHENREINIGUNGSGERÄT

Title (fr)

APPAREIL PORTABLE DE NETTOYAGE DE SURFACES DURES

Publication

EP 3393322 A1 20181031 (DE)

Application

EP 15816186 A 20151221

Priority

EP 2015080889 W 20151221

Abstract (en)

[origin: WO2017108090A1] The invention relates to a portable hard surface cleaning device (10) provided with a handle (70), a suction turbine (22) arranged above the handle (70) in a housing, a suction nozzle (18) which is fluidically connected to the suction turbine (22), and a dirty liquid tank (20) which can be releasably connected to the housing (12). Liquid can be separated from the suctioned liquid/air mixture and deposited in the dirty liquid tank (20), and the dirty liquid tank (20) has a first tank region (98) with a tank opening (104), said first tank region being insertable into a first tank receiving compartment (76) arranged laterally adjacent to the suction turbine (22) in an offset manner relative to the handle (70). The aim of the invention is to develop the portable hard surface cleaning device (10) such that the device has a lower energy requirement. This is achieved in that the suction turbine (22) is fluidically connected to the first tank receiving compartment (86) via at least one exhaust air opening (80, 82, 84), and exhaust air can be dispensed into the surroundings via the at least one exhaust air opening (80, 82, 84) and the first tank receiving compartment (76).

IPC 8 full level

A47L 1/05 (2006.01); **A47L 5/24** (2006.01); **A47L 7/00** (2006.01); **A47L 9/32** (2006.01)

CPC (source: EP)

A47L 1/05 (2013.01); **A47L 5/24** (2013.01); **A47L 7/0004** (2013.01); **A47L 7/0019** (2013.01); **A47L 7/0023** (2013.01); **A47L 9/322** (2013.01)

Citation (search report)

See references of WO 2017108090A1

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 2017108090 A1 20170629; CN 108135410 A 20180608; CN 108135410 B 20201127; EP 3393322 A1 20181031; EP 3393322 B1 20200408; PL 3393322 T3 20200824

DOCDB simple family (application)

EP 2015080889 W 20151221; CN 201580083912 A 20151221; EP 15816186 A 20151221; PL 15816186 T 20151221