

Title (en)
FLOOR CLEANING MACHINE

Title (de)
BODENREINIGUNGSMASCHINE

Title (fr)
MACHINE DE NETTOYAGE DU SOL

Publication
EP 4111923 C0 20231108 (DE)

Application
EP 22181912 A 20220629

Priority
DE 102021116686 A 20210629

Abstract (en)
[origin: US2022408990A1] A floor cleaning machine having a base, a suction foot, a dirty water tank in fluid communication with the suction foot, a suction turbine, and a separation container. The suction turbine is attached to the base and generates a suction air flow from the suction foot into the dirty water tank. The suction turbine has a housing with an inlet opening and an outlet opening through which air flows. The separation container adjoins the suction turbine housing and has an interior, which that communicates with the inlet opening and a bottom wall section that faces the interior. The bottom wall section is disposed vertically lower than the inlet opening. A drainage opening leads out of the bottom wall section into the environment and is provided with a valve that is closed during operation of the suction turbine is in operation and open when the suction turbine is not operated.

IPC 8 full level
A47L 9/00 (2006.01); **A47L 5/30** (2006.01)

CPC (source: CN EP US)
A47L 5/30 (2013.01 - EP); **A47L 5/365** (2013.01 - US); **A47L 7/0004** (2013.01 - US); **A47L 7/02** (2013.01 - CN); **A47L 9/0009** (2013.01 - EP); **A47L 11/16** (2013.01 - CN); **A47L 11/20** (2013.01 - CN); **A47L 11/305** (2013.01 - CN); **A47L 11/307** (2013.01 - EP); **A47L 11/40** (2013.01 - CN); **A47L 11/4002** (2013.01 - CN); **A47L 11/4016** (2013.01 - CN EP); **A47L 11/4027** (2013.01 - CN); **A47L 11/4036** (2013.01 - EP); **A47L 11/4075** (2013.01 - CN EP); **B24B 7/18** (2013.01 - CN); **B24B 55/12** (2013.01 - CN)

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

Participating member state (EPC – UP)
AT BE BG DE DK EE FI FR IT LT LU LV MT NL PT SE SI

DOCDB simple family (publication)
DE 102021116686 B3 20220825; CN 115530670 A 20221230; EP 4111923 A1 20230104; EP 4111923 B1 20231108; EP 4111923 C0 20231108; US 11910986 B2 20240227; US 2022408990 A1 20221229

DOCDB simple family (application)
DE 102021116686 A 20210629; CN 202210778101 A 20220628; EP 22181912 A 20220629; US 202217851732 A 20220628