

Title (en)
SURFACE CLEANING MACHINE

Title (de)
FLÄCHENREINIGUNGSMASCHINE

Title (fr)
MACHINE DE NETTOYAGE DE SURFACES

Publication
EP 4162854 A1 20230412 (EN)

Application
EP 20940091 A 20200702

Priority
• CN 2020099896 W 20200702
• CN 202010536008 A 20200612

Abstract (en)
A surface cleaning machine (10) comprises : a suction device (2); a cleaning base (12) suitable for moving on a surface to be cleaned, the cleaning base (12) comprising a cleaning roller (18) capable of rotating; a cleaning liquid supply unit (3); and a dirty liquid recovery tank (4), the dirty liquid recovery tank (4) being in fluid communication with the suction device (2); wherein the cleaning base (12) further comprises a transfer chamber adjacent to a rear side of the cleaning roller (18) and capable of temporarily holding a solid-liquid mixture, the transfer chamber configured to be in fluid communication with the suction device (2), so that the surface cleaning machine (10) can transfer at least a part of liquid or at least a part of a solid-liquid mixture from the transfer chamber to the dirty liquid recovery tank (4) by means of the suction device (2), thereby achieving a low energy consumption operation.

IPC 8 full level
A47L 11/26 (2006.01); **A47L 11/30** (2006.01); **A47L 13/22** (2006.01)

CPC (source: CN EP US)
A47L 11/302 (2013.01 - CN EP US); **A47L 11/40** (2013.01 - CN); **A47L 11/4013** (2013.01 - CN); **A47L 11/4016** (2013.01 - CN EP US); **A47L 11/4022** (2013.01 - EP); **A47L 11/4041** (2013.01 - CN EP US); **A47L 11/4083** (2013.01 - CN EP US); **A47L 11/4088** (2013.01 - CN EP US)

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

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
EP 4162854 A1 20230412; **EP 4162854 A4 20231025**; CN 113796790 A 20211217; CN 113796790 B 20220524; US 2023218134 A1 20230713; WO 2021248591 A1 20211216

DOCDB simple family (application)
EP 20940091 A 20200702; CN 2020099896 W 20200702; CN 202010536008 A 20200612; US 202018009508 A 20200702