

Title (en)
SURFACE CLEANING MACHINE

Title (de)
FLÄCHENREINIGUNGSMASCHINE

Title (fr)
MACHINE DE NETTOYAGE DE SURFACES

Publication
EP 4162854 A4 20231025 (EN)

Application
EP 20940091 A 20200702

Priority
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Abstract (en)
[origin: EP4162854A1] 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
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CPC (source: CN EP US)
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Citation (search report)
• [X] CN 209220154 U 20190809 - SUZHOU HAOANSHI ELECTRICAL APPLIANCE TECH CO LTD
• [X] CN 208709743 U 20190409 - GD XINBAO ELEC APPL HOLDINGS
• [X] CN 209808210 U 20191220 - SUZHOU CHENGHE CLEANING EQUIPMENT CO LTD
• [X] CN 110946524 A 20200403 - TINECO INTELLIGENT TECH CO LTD
• [I] CN 109259675 A 20190125 - ZHONGSHAN JINSHUN HOUSEHOLD WARES CO LTD, et al
• See also references of WO 2021248591A1

Designated contracting state (EPC)
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