(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
16 January 2025 (16.01.2025)

WIPO | PCT

(10) International Publication Number
WO 2025/011889 A1

(51) International Patent Classification:
A47L 11/40 (2006.01) *A47L 11/30* (2006.01)

(21) International Application Number:
PCT/EP2024/066797

(22) International Filing Date:
17 June 2024 (17.06.2024)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
23185104.9 12 July 2023 (12.07.2023) EP

(71) Applicant: **VERSUNI HOLDING B.V.** [NL/NL]; Claude Debussylaan 88, 1082 MD Amsterdam (NL).

(72) Inventor: **BRADA, Ijpe Bernardus**; Claude Debussylaan 88, 1082 MD Amsterdam (NL).

(74) Agent: **VOLLERING, Stefanus Franciscus Maria**; High Tech Campus 42, 5656 AE Eindhoven (NL).

(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CV, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, MG, MK, MN, MU, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, ZA, ZM, ZW.

(54) **Title:** CLEANER HEAD MEMBER AND METHOD OF MANUFACTURING THE SAME

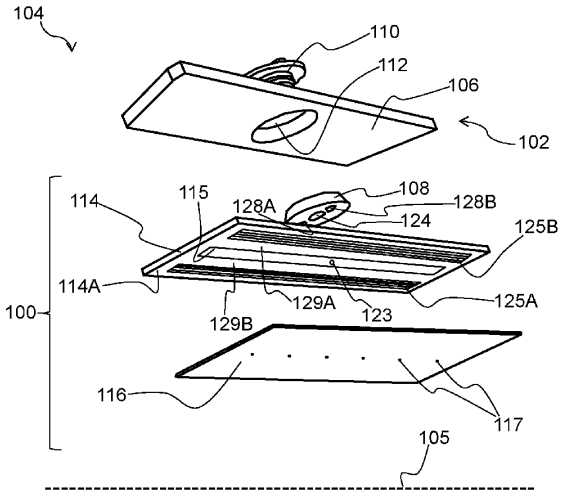


FIG. 1

(57) **Abstract:** Provided is a cleaner head member (100) for a cleaner head (102) of a wet cleaning apparatus, and a method of manufacturing such a cleaner head member. The cleaner head member comprises a support substrate (114), e.g. a pliable support substrate, comprising a bottom surface (114A) for facing, in use, a surface to be cleaned (105). A cleaning liquid outlet structure (115), for receiving aqueous cleaning liquid, is provided at the bottom surface. The cleaner head member further comprises a cover member (116) arranged over at least the cleaning liquid outlet structure. The cover member is perforated so as to be provided with a plurality of openings (117) that extend through the cover member, through which openings the aqueous cleaning liquid is deliverable from the cleaning liquid outlet structure towards the surface to be cleaned. Additionally provided is a cleaner head assembly (104) comprising the cleaner head member and the cleaner head. Further provided is a wet cleaning apparatus comprising the cleaner head member or

WO 2025/011889 A1

[Continued on next page]

(84) **Designated States** *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, CV, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SC, SD, SL, ST, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, ME, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

Published:

— *with international search report (Art. 21(3))*

the cleaner head assembly, and a cleaning liquid supply.