

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
15 December 2022 (15.12.2022)



(10) International Publication Number
WO 2022/260538 A1

(51) International Patent Classification:

E04G 23/00 (2006.01) *A47L 11/38* (2006.01)
A47L 1/02 (2006.01) *B66C 23/20* (2006.01)

(21) International Application Number:

PCT/NZ2022/050069

(22) International Filing Date:

08 June 2022 (08.06.2022)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

777044 09 June 2021 (09.06.2021) NZ
782131 08 November 2021 (08.11.2021) NZ

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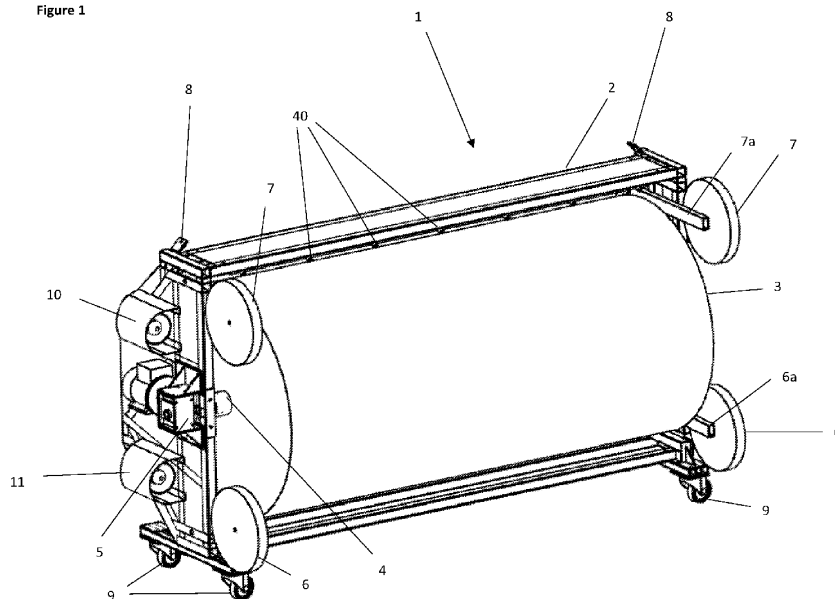
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(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, 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, ME, MG, MK, MN, 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: A CLEANING APPARATUS AND CLEANING SYSTEM

Figure 1



(57) Abstract: The present disclosure relates to an unmanned cleaning apparatus for cleaning structures such as buildings, more specifically windows on buildings. The unmanned cleaning apparatus includes a carriage, a cleaning element rotatably mounted on the carriage, at least a pair of support arms, at least a pair of electric ducted fans, a motor that in use is operable remotely to rotate the cleaning element about its horizontal axis across the surface to be cleaned, and a spray boom that is mounted on the carriage. The present disclosure further provides a cleaning system including an unmanned cleaning apparatus as described and a portable winching member.

[Continued on next page]

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, 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, 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))*
- *in black and white; the international application as filed contained color or greyscale and is available for download from PATENTSCOPE*