

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
02 December 2021 (02.12.2021)



(10) International Publication Number
WO 2021/242170 A1

(51) International Patent Classification:
G01D 21/00 (2006.01) *G01W 1/06* (2006.01)
F24F 11/00 (2018.01)

(21) International Application Number:
PCT/SG2020/050731

(22) International Filing Date:
09 December 2020 (09.12.2020)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
10202005086U 29 May 2020 (29.05.2020) SG

(71) Applicant: **UHOO PTE LTD** [SG/SG]; 160 Robinson Road, #14-04 SBF Centre, Singapore 068914 (SG).

(72) Inventors: **ONGHANSENG, Dustin, Jefferson, S.**; 50H Faber Heights, #01-63 Faber Crest, Singapore 129202 (SG).
LIN, Chun Lai Brian; Flat B, 12/F, Block 3, Providence Peak, 8 Fo Chun Road, Tai Po, Hong Kong (CN).

(74) Agent: **ENGLISH, Matthew**; Marks & Clerk Singapore LLP, Tanjong Pagar Post Office, P.O. Box 636, Singapore 910816 (SG).

(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, IR, IS, IT, 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.

(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,

(54) Title: COMPARATIVE METHODS FOR AIR QUALITY MEASUREMENT AND USE THEREOF

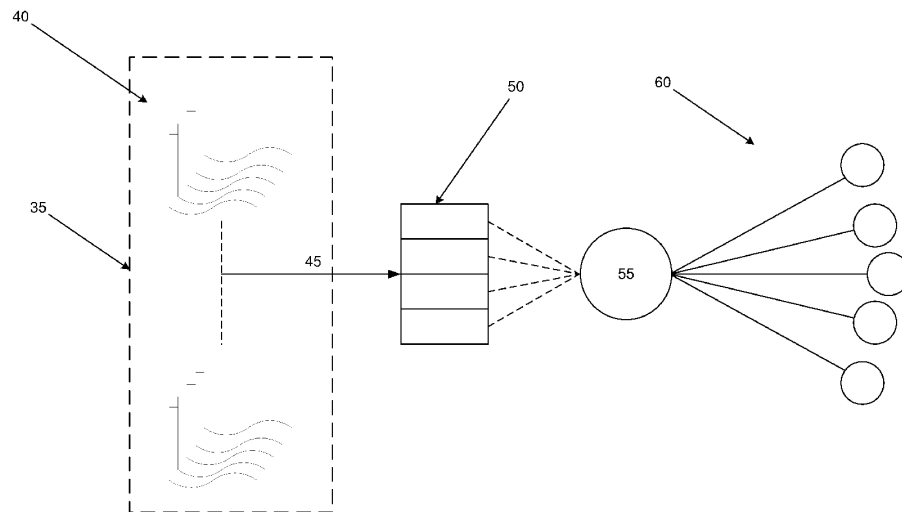


Figure 2

(57) Abstract: A method for categorizing a viral risk within a occupiable space, the method comprising the steps of: measuring environmental data using a plurality of sensors within said occupiable space; determining a virus index for the occupiable space based upon a combination of said environmental data; providing a virus index scale, said scale including environmental categories corresponding to different viral indices; comparing the virus index with the virus index scale, and so; categorizing the viral risk of the occupiable space.

[Continued on next page]

WO 2021/242170 A1

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))*