

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
13 October 2022 (13.10.2022)



(10) International Publication Number
WO 2022/216973 A1

(51) International Patent Classification:

A61B 5/107 (2006.01) *G06T 7/60* (2017.01)
A41H 1/02 (2006.01)

(21) International Application Number:

PCT/US2022/023897

(22) International Filing Date:

07 April 2022 (07.04.2022)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

63/172,442 08 April 2021 (08.04.2021) US
17/715,546 07 April 2022 (07.04.2022) US

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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, 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,

(54) Title: GUEST MEASUREMENT SYSTEMS AND METHODS

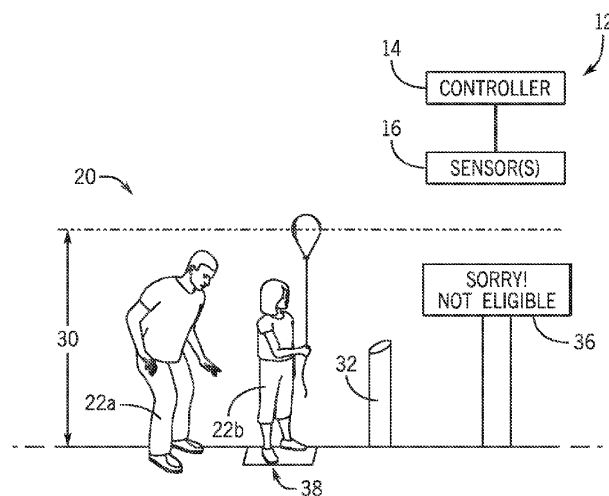


FIG. 1

(57) Abstract: A guest measurement system (12) includes a controller (14) associated with an attraction measurement area (20) of an individual attraction within a theme park. The guest measurement system (12) includes a controller (14) configured to receive sensor signals indicative of guest characteristics from one or more sensors (16). The controller (14) includes a processor (204) configured to detect one or more limbs of a guest based in part on the sensor signals, identify a plurality of subregions for an individual limb of the one or more limbs, estimate dimensions for the identified plurality of subregions for the individual limb, and generate a guest height calculation based on the estimated dimensions for the identified plurality of subregions.

[Continued on next page]

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, 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))