

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
28 March 2024 (28.03.2024)



(10) International Publication Number
WO 2024/064295 A1

(51) International Patent Classification:
G06F 3/01 (2006.01) *A63F 13/327* (2014.01)
G06F 3/0346 (2013.01)

(21) International Application Number:
PCT/US2023/033399

(22) International Filing Date:
21 September 2023 (21.09.2023)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
17/950,714 22 September 2022 (22.09.2022) US

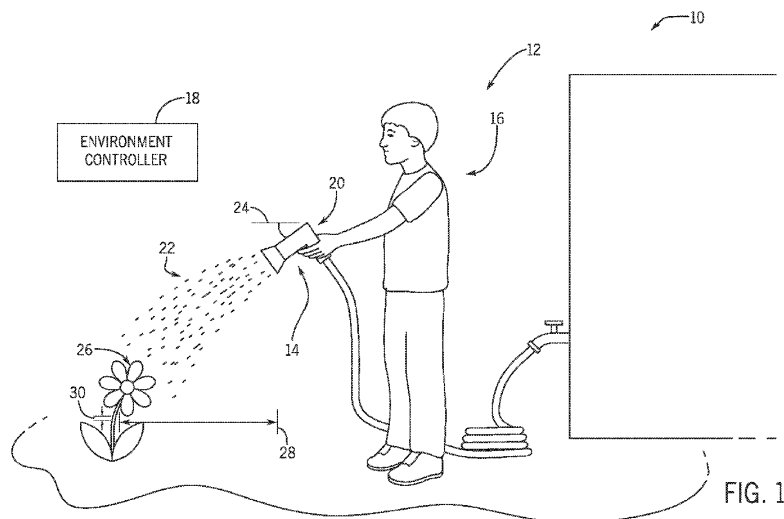
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(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CV, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES,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

(54) Title: SYSTEMS AND METHODS FOR POSITIONAL TRACKING OF INTERACTIVE DEVICES



(57) Abstract: An interactive device (14) includes antennas (50), one or more transceivers (42) coupled to the antennas (50), one or more feedback devices (38), and one or more processors (32) coupled to the one or more transceivers (42) and the one or more feedback devices (38). The one or more processors (32) receive, via the one or more transceivers (42), the signals from a computing device. Additionally, the one or more processors (32) may determine a time of flight corresponding to receipt of the signals by the antennas (50). The one or more processors (32) also determine position information, orientation information, or both, of the interactive device (14) based on the time of flight. Further, the one or more processors (32) transmit the position information, the orientation information, or both, to an environment controller (18) via the one or more transceivers (42). Further still, the one or more processors (32) activate the one or more feedback devices (38) based on the position information, the orientation information, or both.

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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, 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).

Declarations under Rule 4.17:

- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*
- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

Published:

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