

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
19 May 2023 (19.05.2023)



(10) International Publication Number
WO 2023/086524 A3

(51) International Patent Classification:
B25J 9/16 (2006.01) *B25J 13/00* (2006.01)

(21) International Application Number:
PCT/US2022/049622

(22) International Filing Date:
10 November 2022 (10.11.2022)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
63/278,793 12 November 2021 (12.11.2021) US
17/984,923 10 November 2022 (10.11.2022) US

(71) Applicant: ANIMAX DESIGNS, INC. [US/US]; 101 Fer-
nco Drive, Nashville, TN 37207 (US).

(72) Inventor; and

(71) Applicant: BUFFORD, Harold, Fred, Jr.; 3636 Pin Oak
Ave., New Orleans, LA 70131 (US).

(74) Agent: SMITH, Stephen, J. et al.; Duane Morris LLP,
1075 Peachtree Street NE, Suite 1700, Atlanta, GA 30309
(US).

(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, 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, CV,
GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ,
TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU,

(54) Title: SYSTEMS AND METHODS FOR REAL-TIME CONTROL OF A ROBOT USING A ROBOT ANIMATION SYSTEM

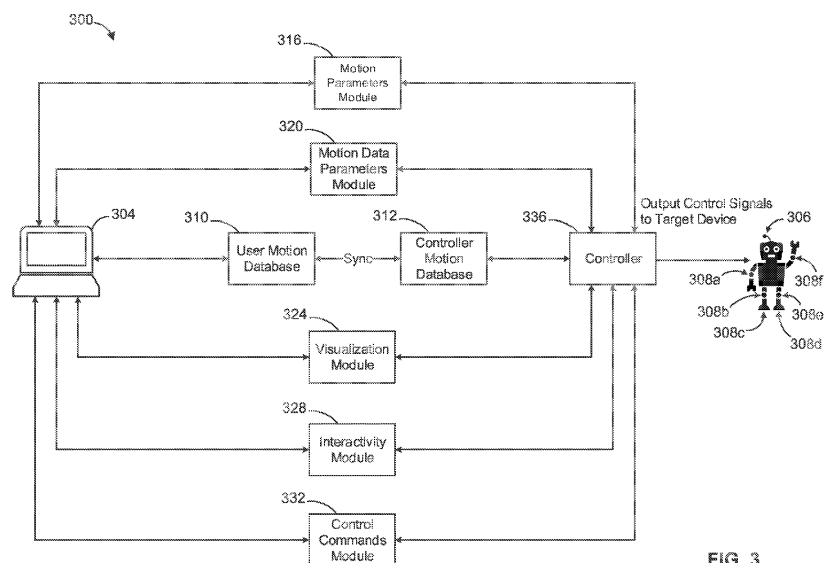


FIG. 3

(57) Abstract: Various systems and methods for controlling a target device are disclosed. For example, a system includes a user computing device including a user interface, a user motion database communicatively coupled to the user computing device, a controller, a controller motion database communicatively coupled to the controller, and a target device communicatively coupled to the controller. The user computing device can be configured to connect the user motion database and the controller motion database to share corresponding sets of motion instructions in real-time in response to receiving a sync indication from the user computing device. The target device can be configured to implement the corresponding sets of motion instructions in real-time on the target device.

[Continued on next page]

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))*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*

(88) Date of publication of the international search report:

13 July 2023 (13.07.2023)