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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
02 October 2025 (02.10.2025)

WIPO | PCT

(10) International Publication Number
WO 2025/207741 A1

(51) International Patent Classification:
G06T 19/00 (2011.01) *G16H 40/40* (2018.01)
G06F 3/01 (2006.01) *G06F 3/00* (2006.01)
A61B 34/10 (2016.01)

(21) International Application Number:
PCT/US2025/021500

(22) International Filing Date:
26 March 2025 (26.03.2025)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
63/569,942 26 March 2024 (26.03.2024) US

(71) Applicant: **QUALITY EXECUTIVE PARTNERS, INC.** [US/US]; 318 Prince Street, Apt. 10, Alexandria, Virginia 22314 (US).

(72) Inventors: **DEWITT, Tyler**; 35724 West Shore Drive, Crosslake, Minnesota 56442 (US). **BOYNTON, Sarah**; 6 East Elger Street, Union Bridge, Maryland 21791 (US). **BRODERICK, Sandra**; 2854 S. Walden Way, Aurora, Colorado 80013 (US). **BUTKUS, Steven**; 1420 E. Scott Avenue, Stillwater, Oklahoma 74075 (US). **DUNCAN, Brian**; 43 E. Breezy Way, The Woodlands, Texas 77380 (US). **FORD, Charleston**; 1140A Hunter Place, Atlanta, Georgia 30314 (US). **FREEHILL, Thomas M.**; 915 Glenwood Avenue SE, Apt. 435, Atlanta, Georgia 30316 (US). **LYNCH, Kelly**; 1464 Apple Avenue, Larchwood, Iowa 51241 (US). **MERSH, Crystal**; 1708 Spring Run Road, Arnoldsburg, West Virginia 25234 (US). **MEYER, Katayoun**; 2450 Red Hawk Place, Broomfield, Colorado 80023 (US). **MONACHINO, Nicole**; 318 Prince Street, Apt. 10, Alexandria, Virginia 22314 (US). **POSEY, Burton**; 953 Nottingham Drive, Avondale Estates, Georgia 30002 (US). **REISS, Aries**; 4217 Baltimore Avenue, Apt. 2F, Philadelphia, Pennsylvania 19104 (US). **SCHWARTZ, Jacob B.**; 9685 Greenthread Drive, Zionsville, Indiana 46077 (US). **WASHINGTON, Jeremy**; 16 Milford Court, Taylors, South Carolina 29687 (US). **WILLIAMS, Michael**; 1610 Ivy Trce, Cumming, Georgia 30041 (US).

(54) Title: VIRTUAL REALITY SIMULATION AND METHOD

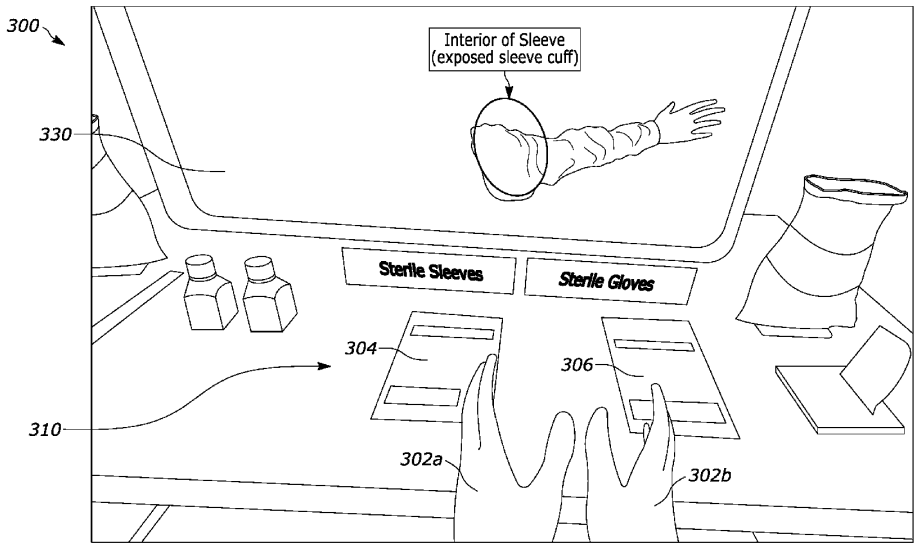


FIG. 3A

(57) Abstract: One aspect of the present disclosure include a method and system for providing an interactive virtual reality simulation for virtual reality training. A headset, controllers, and/or one or more sensors communicate with a processor to display the interactive virtual reality simulation on a user display within the headset. The interactive virtual reality training for use in facilitating virtually reality simulations including a gowning simulation, and/or a pipette simulation.

WO 2025/207741 A1

[Continued on next page]

(74) **Agent: SMART, Samantha R.**; 2337 W. 11th Street, Suite 2, Cleveland, Ohio 44113 (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, 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, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UY, 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).

Published:

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