

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
07 December 2023 (07.12.2023)



(10) International Publication Number
WO 2023/234872 A1

(51) International Patent Classification:
G09B 9/00 (2006.01)

(21) International Application Number:
PCT/SI2022/050017

(22) International Filing Date:
01 June 2022 (01.06.2022)

(25) Filing Language: English

(26) Publication Language: English

(71) Applicant: **GUARDIARIS D.O.O.** [SI/SI]; Podjunska ulica 13, 1000 Ljubljana (SI).

(72) Inventors: **HVALA, Staš**; Guardiaris d.o.o., Podjunska ulica 13, 1000 Ljubljana (SI). **GOLOBIČ, Bogdan**; Guardiaris d.o.o., Podjunska ulica 13, 1000 Ljubljana (SI). **KNEŽEVIĆ, Srečko**; Guardiaris d.o.o., Podjunska ulica

13, 1000 Ljubljana (SI). **ZUPANČIČ, Luka**; Guardiaris d.o.o., Podjunska ulica 13, 1000 Ljubljana (SI). **PETERCA, Primož**; Guardiaris d.o.o., Podjunska ulica 13, 1000 Ljubljana (SI).

(74) Agent: **ITEM D.O.O.**; Resljeva cesta 16, 1000 Ljubljana (SI).

(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, IQ, 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, 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: A SYSTEM FOR DISPLAYING INTERACTIVE TRAINING SCENARIO AND FOR DETERMINING THE POSITION OF RELEVANT OBJECTS IN A TRAINING RANGE AND A METHOD OF SYSTEM SET UP AND CALIBRATION

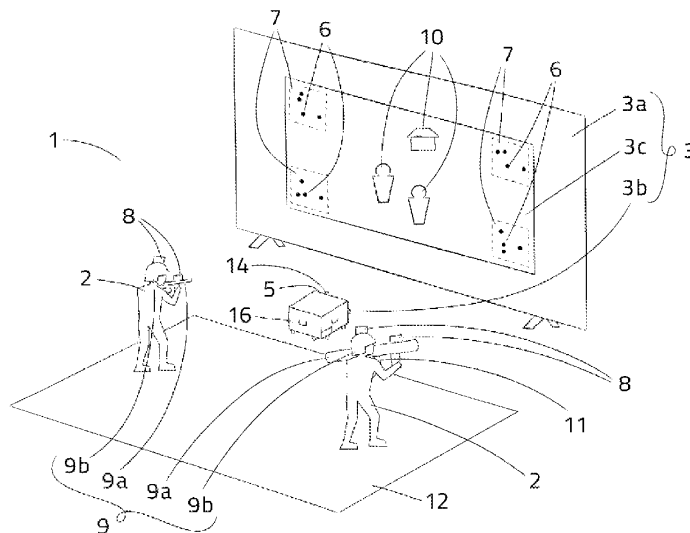


Figure 1

(57) Abstract: The invention relates to a system for training, where a training scenario is displayed on a screen and trainees interact with the training scenario, for example point a training weapon replica and fire at a virtual target displayed within the training scenario, so the system needs to determine in real time the position and/or orientation of a trainee or other object relevant for training, such as a training weapon replica, in order to determine, for example, whether the trainee hits a target with the weapon replica. More particularly, the invention relates to a training system for displaying an interactive training scenario and to a method of its calibration, wherein the proposed system enables portability and setting up a training environment easily and quickly for example wherever we can find a large white surface for a main screen and source of electricity to power the training system.

[Continued on next page]

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, 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, 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))
 - in black and white; the international application as filed contained color or greyscale and is available for download from PATENTSCOPE
-