

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

(19) World Intellectual Property  
Organization  
International Bureau

(43) International Publication Date  
18 January 2024 (18.01.2024)



(10) International Publication Number  
**WO 2024/011287 A1**

(51) International Patent Classification:

G01C 11/02 (2006.01) H04N 13/167 (2018.01)  
G01B 11/25 (2006.01) H04N 13/243 (2018.01)  
G01B 11/30 (2006.01) H04N 13/254 (2018.01)  
G06T 1/00 (2006.01) H04N 13/271 (2018.01)  
G06T 17/20 (2006.01) H04N 13/296 (2018.01)  
H04N 13/00 (2018.01)

(21) International Application Number:

PCT/AU2023/050644

(22) International Filing Date:

12 July 2023 (12.07.2023)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

2022901936 12 July 2022 (12.07.2022) AU

(71) Applicant: QUEENSLAND UNIVERSITY OF TECHNOLOGY [AU/AU]; C/- Michael Buck IP, PO Box 78, Red Hill, Queensland 4059 (AU).

(72) Inventors: POWELL, Sean Keiran; C/- Michael Buck IP, PO Box 78, Red Hill, Queensland 4059 (AU).  
WOODRUFF, Maria Ann; C/- Michael Buck IP, PO Box 78, Red Hill, Queensland 4059 (AU).

(74) Agent: MICHAEL BUCK IP; PO Box 78, Red Hill, Queensland 4059 (AU).

(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, 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,

(54) Title: A PHOTOGRAMMETRY SCANNER SYSTEM AND IMAGING ASSEMBLY

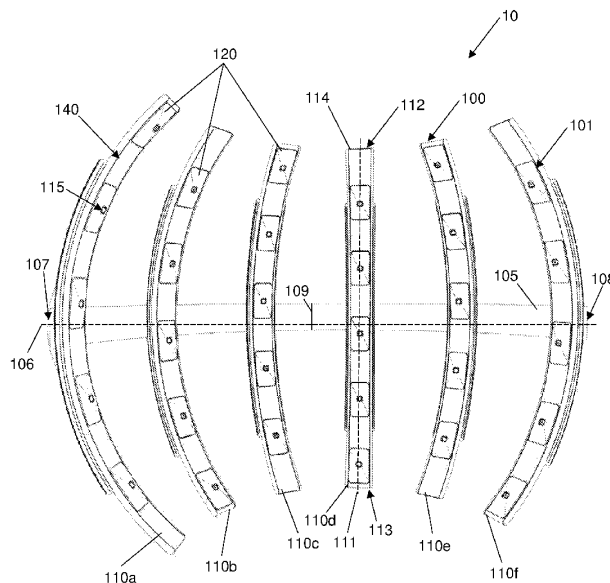


FIGURE 1

(57) Abstract: A photogrammetry scanner system for capturing images of a target. The photogrammetry scanner system includes a frame, a plurality of image sensors connected to and spaced apart on the frame, and a plurality of light emitting devices connected to and spaced apart on the frame and configured to project light in a lighting pattern.

[Continued on next page]

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