



(43) International Publication Date  
16 January 2014 (16.01.2014)

(51) International Patent Classification:

*F41G 3/22* (2006.01)      *G06T 7/00* (2006.01)  
*F41G 3/32* (2006.01)      *H04N 5/33* (2006.01)  
*G06K 9/32* (2006.01)      *H04N 9/093* (2006.01)

(21) International Application Number:

PCT/IL2013/050299

(22) International Filing Date:

2 April 2013 (02.04.2013)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

220815      8 July 2012 (08.07.2012)      IL

(71) Applicant: ISRAEL AEROSPACE INDUSTRIES LTD.  
[IL/IL]; Ben-Gurion International Airport, 70100 Lod (IL).

(72) Inventors: SCHWARTZ, Roni; 12/14 Ha Yasmin Street,  
44355 Kfar Saba (IL). RAICHMAN, Nadav; Kibbutz  
Yakum, 60972 Kibbutz Yakum (IL). BUBIS, Roy; 39a  
Gordon Street, 49280 Petach Tiqwa (IL).

(74) Agent: REINHOLD COHN AND PARTNERS; P.O.Box  
13239, 6113102 Tel Aviv (IL).

(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, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, 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, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, 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, SD, SL, 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, ML, MR, NE, SN, TD, TG).

Published:

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

(54) Title: CALIBRATION SYSTEMS AND METHODS FOR SENSOR PAYLOADS

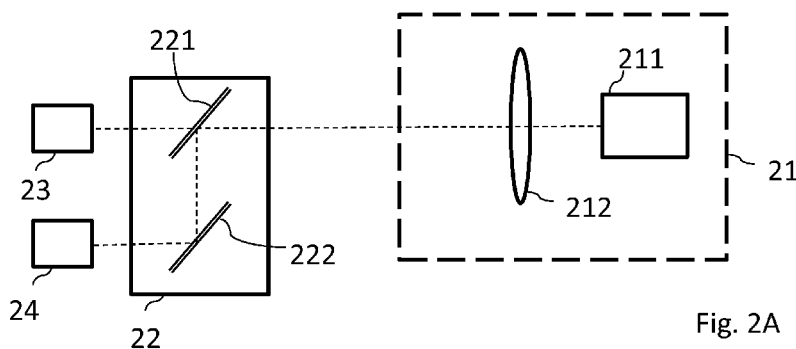


Fig. 2A

(57) Abstract: The present disclosure provides notably a calibration system suitable for in-flight calibration of a sensor payload. The calibration system comprises an emitting object being configured for emitting in a first emitting spectral band and in a second emitting spectral band a predetermined pattern comprising a plurality of lighted areas on a homogeneous background; and a collimation optical unit configured for setting the emitting object at infinity.