

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
03 October 2019 (03.10.2019)



(10) International Publication Number
WO 2019/186202 A1

(51) International Patent Classification:
G01S 17/48 (2006.01) *G01S 5/02* (2010.01)
G01S 17/88 (2006.01)

HR9 5AS (GB). **LARKINS, Andrew Henry John**; 88
Speen Moors, Newbury Berkshire RG14 1RU (GB).

(21) International Application Number:
PCT/GB2019/050932

(74) Agent: **J A KEMP**; 14 South Square, Gray's Inn, London
Greater London WC1R 5JJ (GB).

(22) International Filing Date:
29 March 2019 (29.03.2019)

(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, IR, IS, 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, SM, ST, SV, SY, TH, TJ, TM, TN,
TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(25) Filing Language: English

(26) Publication Language: English

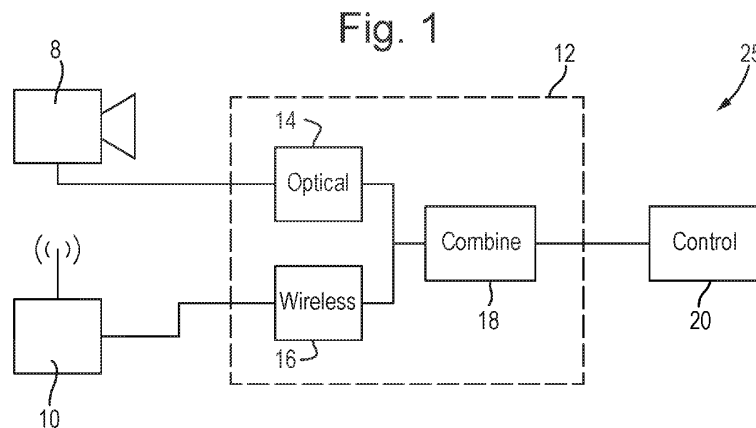
(30) Priority Data:
1805323.1 29 March 2018 (29.03.2018) GB
1806281.0 17 April 2018 (17.04.2018) GB
1806697.7 24 April 2018 (24.04.2018) GB
1813975.8 28 August 2018 (28.08.2018) GB
1817474.8 26 October 2018 (26.10.2018) GB
1903656.5 18 March 2019 (18.03.2019) GB

(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, 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).

(71) Applicant: **SALUNDA LIMITED** [GB/GB]; 6 Avonbury
Business Park, Howes Lane, Bicester, Bicester Oxfordshire
OX26 2UA (GB).

(72) Inventors: **FINLAY, Alan Patrick John**; Monkton, Ash-
field Park Road, Ross-on-Wye Hereford and Worcester

(54) Title: PERSONNEL SAFETY SENSING SYSTEM



(57) Abstract: A location system for locating workers comprises a plurality of light detectors mounted at known locations and configured to detect light from one or more workers, and a processing system configured to determine locations of the workers using the light detected by the light detectors. There is also disclosed a wearable device for locating a worker comprising a wireless transceiver, and a wearable device light source and/or one or more reflective elements. There is also disclosed a method for locating workers comprising detecting light from one or more workers using a plurality of light detectors mounted at known locations, and determining locations of the workers using the light detected by the light detectors.

[Continued on next page]

Published:

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