



(43) International Publication Date
12 March 2015 (12.03.2015)

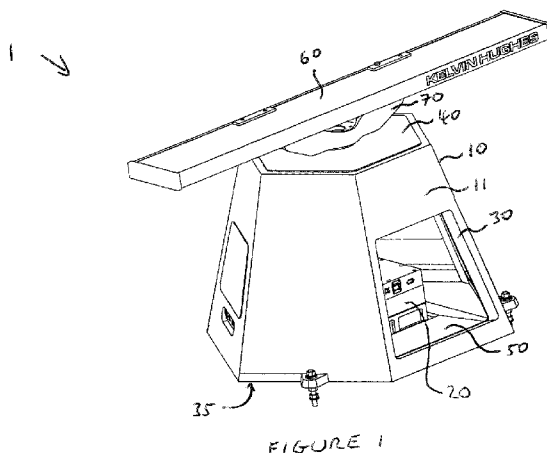
- (51) **International Patent Classification:**
H01Q 1/34 (2006.01) *G01S 13/88* (2006.01)
H01Q 1/12 (2006.01)
- (21) **International Application Number:**
PCT/GB2014/052662
- (22) **International Filing Date:**
4 September 2014 (04.09.2014)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
1315752.4 4 September 2013 (04.09.2013) GB
- (71) **Applicant: KELVIN HUGHES LIMITED** [GB/GB];
Voltage, Mollison Avenue, Enfield, Greater London EN3
7XQ (GB).
- (72) **Inventors: DAVY, Terry;** Kelvin Hughes Limited,
Voltage, Mollison Avenue, Enfield, Greater London EN3
7XQ (GB). **NORSTER, Kevin;** Kelvin Hughes Limited,
Voltage, Mollison Avenue, Enfield, Greater London EN3
7XQ (GB). **WADE, Barry;** Kelvin Hughes Limited,
Voltage, Mollison Avenue, Enfield, Greater London EN3
7XQ (GB).
- (74) **Agent: BATES, Alan Douglas Henry;** Reddie & Grose
LLP, 16 Theobalds Road, London, Greater London WC1X
8PL (GB).

- (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, IR, IS, JP, KE, KG, KN, KP, KR, 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.
- (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).

Published:

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

(54) Title: RADAR APPARATUS FOR A SHIP



(57) Abstract: A radar apparatus for a ship comprises a solid state transmitter and/or receiver enclosed within a housing, and an antenna coupled to the solid state transmitter and/or receiver. The external shape of the housing is substantially frusto-pyramidal. The frusto-pyramidal shape of the housing contributes to the robustness of the radar apparatus and allows the apparatus to have a low radar cross section.