

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
2 September 2004 (02.09.2004)

PCT

(10) International Publication Number
WO 2004/074862 A2

(51) International Patent Classification⁷: **G01S**
(21) International Application Number:
PCT/US2004/003929
(22) International Filing Date: 10 February 2004 (10.02.2004)
(25) Filing Language: English
(26) Publication Language: English
(30) Priority Data:
10/365,807 13 February 2003 (13.02.2003) US

(71) Applicant (for all designated States except US): **HONEYWELL INTERNATIONAL INC.** [US/US]; 101 Columbia Road, P.O. Box 2245, Morristown, NJ 07960 (US).

(72) Inventors: **HUNTER, Jeffrey, K.**; 14541 S. Alden Street, Olathe, KS 66062 (US). **GIBSON, Timothy, P.**; 5020 Millridge, Shawnee, KS 66226 (US). **RICHEY, Manuel, F.**; 29005 Orchard Road, Paola, KS 66071 (US).

(74) Agents: **HOIRIIS, David** et al.; Honeywell International INC., 101 Columbia Road, P.O. Box 2245, Morristown, NJ 07960 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

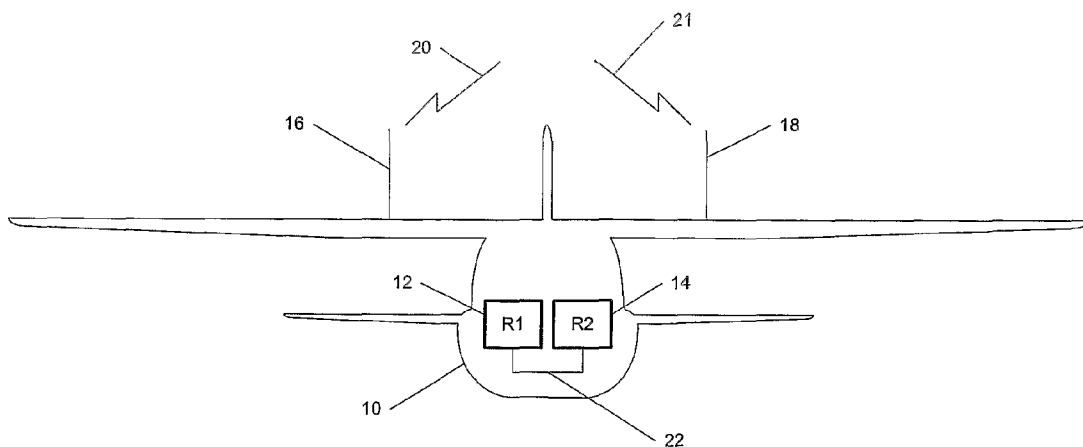
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: SYSTEMS AND METHODS FOR REDUCING RADIO RECEIVER INTERFERENCE FROM AN ON-BOARD AVIONICS TRANSMITTER



(57) Abstract: Systems and methods for reducing interference in an enhanced radio receiver from a transmitter when both are located in the same aircraft are provided. The enhanced radio receiver detects and attenuates a signal from the transmitter, without attenuation or interference with other desired signals. An enhanced radio transmitter may inform the enhanced radio receiver of the frequency of transmission via a data communication path such that the enhanced radio receiver attenuates the transmitted frequency for the duration of transmission.

WO 2004/074862 A2