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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
25 November 2010 (25.11.2010)

PCT

(10) International Publication Number
WO 2010/135659 A1

(51) International Patent Classification:
H01Q 1/42 (2006.01)

(21) International Application Number:
PCT/US2010/035796

(22) International Filing Date:
21 May 2010 (21.05.2010)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/180,828 22 May 2009 (22.05.2009) US

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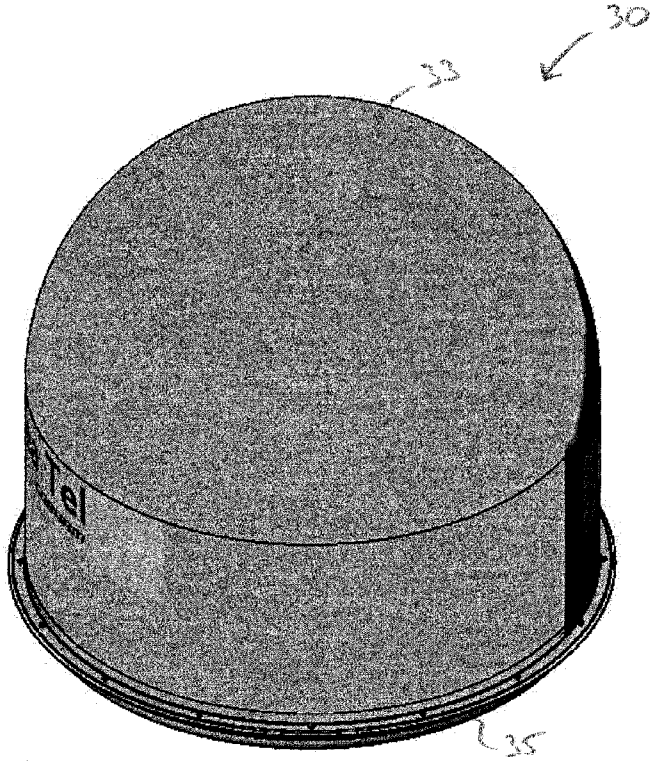
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(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, 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, PE, PG, PH, PL, PT, RO, RS, RU, 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, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ,

[Continued on next page]

(54) Title: RADOME FOR TRACKING ANTENNA



F16. 1

(57) Abstract: A radome for a tracking antenna system may include a dome for covering the tracking antenna, wherein the dome includes a dome wall having inner and outer skins sandwiching a low dielectric material layer there between, and wherein the dome wall includes a gel coat layer covering the outer skin to protect the dome in a manner environment. The inner and outer skins may have a thicknesses of approximately 0007 to 0027 inches, more preferably approximately 0014 to 0020 inches, and most preferably 0017 inches. The low dielectric material layer may have a thickness of approximately 0 153 to 0 173 inches, more preferably approximately 0 160 to 0 166 inches and most preferably 0 163 inches The gel coat may have a thickness of approximately 0010 to 0030 inches, more preferably approximately 0017 to 0023 inches, and most preferably 0020 inches.

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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, 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))*

— *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))*