



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

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>(51) International Patent Classification <sup>6</sup>:</b><br><b>H01Q 1/18</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>A1</b> | <b>(11) International Publication Number:</b> <b>WO 98/57389</b><br><b>(43) International Publication Date:</b> 17 December 1998 (17.12.98)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>(21) International Application Number:</b> PCT/SE98/01134<br><b>(22) International Filing Date:</b> 12 June 1998 (12.06.98)<br><b>(30) Priority Data:</b><br>9702268-5      13 June 1997 (13.06.97)      SE<br><b>(71) Applicant (for all designated States except US):</b> TRULSTECH INNOVATION KB [SE/SE]; P.O. Box 221, S-133 02 Saltsjöbaden (SE).<br><b>(72) Inventor; and</b><br><b>(75) Inventor/Applicant (for US only):</b> NILSSON, Mats [SE/SE]; Älgövägen 321, S-133 37 Saltsjöbaden (SE).<br><b>(74) Agents:</b> NILSSON, Karl et al.; Stenhagen Patentbyrå AB, P.O. Box 4630, S-116 91 Stockholm (SE).                                                                                                                                                                                                                                                                                                                                |           | <b>(81) Designated States:</b> AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG).<br><br><b>Published</b><br><i>With international search report.</i><br><i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i><br><i>In English translation (filed in Swedish).</i> |
| <b>(54) Title:</b> AN ARRANGEMENT COMPRISING AN ANTENNA REFLECTOR AND A TRANSCIEVER HORN COMBINED TO FORM A COMPACT ANTENNA UNIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>(57) Abstract</b><br><br><p>An antenna arrangement comprising an antenna reflector (10) and a transceiver horn (11) combined to form a compact unit (10-11) includes a dynamic vibration-dampened suspension device (16), first (12) and second (15) rotation frames, and first (13) and second (15) elevation frames. The frames are rotatably mounted at the periphery of respective suspension device or frame, with the first rotation frame (12) mounted on the periphery of the suspension device and with the second rotation frame (15) mounted on the periphery of the second elevation frame (14) and functioning as an attachment for the compact antenna unit (10-11). The requisite bearing points are hereby moved to the periphery of the antenna arrangement and space is made available for accommodating the compact antenna unit (10-11) in the center of the suspension device.</p> <div data-bbox="829 1276 1484 2150"> </div> |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |