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(21) International Application Number: PCT/SE99/01341 (22) International Filing Date: 6 August 1999 (06.08.99) (30) Priority Data: 9802720-4 13 August 1998 (13.08.98) SE (71) Applicant (for all designated States except US): TRULSTECH INNOVATION KB [SE/SE]; P.O. Box 221, S-133 02 Saltsjöbaden (SE). (72) Inventor; and (75) Inventor/Applicant (for US only): NILSSON, Mats [SE/SE]; P.O. Box 221, S-133 02 Saltsjöbaden (SE). (74) Agents: SUNDSTRÖM, Per et al.; Stenhagen Patentbyrå AB, P.O. Box 4630, S-116 91 Stockholm (SE).			(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, 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, 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, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, 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, GW, ML, MR, NE, SN, TD, TG). Published <i>With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments. In English translation (filed in Swedish).</i>

(54) Title: AN ANTENNA DEVICE

(57) Abstract

An antenna arrangement includes an antenna reflector (10), a transceiver element (11) and a signal detection unit (12) having a signal converter (121-122) and a computing unit (123) for generating in response to incoming signals control signals for controlling the alignment of the antenna reflector (10) with a target object. The signal converter (121-122) is adapted to reduce its bandwidth automatically and incrementally from a requisite maximum frequency range to a narrow band frequency range. Changes in the direction of the antenna reflector are detected through the medium of a movement detection unit (13) that includes 3d-sensors (131, 132, 133). Mechanical control of the alignment direction of the antenna reflector (10) is effected with the aid of a drive unit (15).

