

Title (en)

MULTI-BEAM ANTENNA WITH MULTI-DEVICE CONTROL UNIT

Title (de)

MEHRSTRAHLANTENNE MIT MEHREINRICHTUNGS-STEUEREINHEIT

Title (fr)

ANTENNE MULTIFAISCEAU ÉQUIPÉE D'UN BLOC DE COMMANDE À DISPOSITIFS MULTIPLES

Publication

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Application

EP 09711078 A 20090211

Priority

- US 2009033774 W 20090211
- US 2753008 P 20080211

Abstract (en)

[origin: WO2009102774A2] RET antenna with motor and clutch assembly that is operative to mechanically disengage the DC motor and drive unit (also called the gear-motor unit) from the phase shifter adjustment shaft during a manual tilt operation. Disengaging the gear- motor unit removes the drag of the motor and the high gear ratio gear box from the phase shifter control rod making it easier to manually turn the phase shifter control knob. In addition, the clutch disengages the gear-motor without disengaging the position detector from the phase shifter control rod so that position calibration is not lost during manual tilt adjustment. When the manual tilt operation is completed, the mechanical tilt clutch enables the gear-motor unit to be reliably re-engaged with the phase shifter control rod for motorized electrical tilt operation without having to re- calibrate the position detector.

IPC 8 full level

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CPC (source: EP KR)

H01Q 1/246 (2013.01 - EP); **H01Q 3/00** (2013.01 - KR); **H01Q 3/005** (2013.01 - EP); **H01Q 3/32** (2013.01 - EP)

Cited by

CN104170165A; WO2022050925A1; US10461419B2; US11128042B2

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