

Title (en)

MECHANICAL ACTUATORS FOR A WIRELESS TELECOMMUNICATION ANTENNA MOUNT

Title (de)

MECHANISCHE AKTUATOREN FÜR EINE ANTENNENHALTERUNG FÜR DRAHTLOSE TELEKOMMUNIKATION

Title (fr)

ACTIONNEURS MÉCANIQUES POUR MONTURE D'ANTENNE DE TÉLÉCOMMUNICATION SANS FIL

Publication

EP 4356481 A1 20240424 (EN)

Application

EP 22825592 A 20220613

Priority

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- US 2022033214 W 20220613

Abstract (en)

[origin: WO2022265971A1] A remotely controllable antenna mount for use with a wireless telecommunication antenna provides both mechanical azimuth and mechanical tilt adjustment using AISG compatible motor control units and AISG control and monitoring systems to remotely adjust the physical orientation of the antenna. The mount control units are serially interconnected with existing AISG antenna control units (ACU's) which adjust internal electronic tilt of the antenna. The present solution provides the ability to both physically aim the antenna to adjust coverage area and also adjust the signal phase to fine tune the quality of the signal.

IPC 8 full level

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