

Title (en)

VARIABLE BEAM CONTROLLING ANTENNA FOR A MOBILE COMMUNICATION BASE STATION

Title (de)

STRAHLVARIABLE STEUERUNGSANTENNE FÜR EINE MOBILKOMMUNIKATIONSBASISSTATION

Title (fr)

ANTENNE DE COMMANDE A FAISCEAU VARIABLE POUR UNE STATION DE BASE DE COMMUNICATION MOBILE

Publication

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Application

EP 06732817 A 20060405

Priority

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Abstract (en)

[origin: WO2007069809A1] An antenna for a mobile communication base station is provided. In a variable beam controlling antenna in a mobile communication base station, at least two radiator portions are arranged vertically, each having a reflector with at least one radiator installed therein. At least one force generator provides rotational force by an external control signal, and a force transfer portion transfers the rotational force generated from the force generator to at least one reflector and thus rotates the at least one reflector. According to the present invention, the variable beam controlling antenna can be fabricated with low cost and allows for easy automatic optimization required for a recent mobile communication wireless network because it is configured to be a one-column antenna capable of controlling a horizontal beam width.

IPC 8 full level

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