

Title (en)

DEVICE AND METHOD FOR AN ANTENNA ARRAY WITH SWITCHABLE WIDE-ANGLE COVERAGE

Title (de)

VORRICHTUNG UND VERFAHREN FÜR EIN ANTENNENARRAY MIT SCHALTBARER WEITWINKEL-CHARAKTERISTIK

Title (fr)

DISPOSITIF ET PROCEDE DESTINE A UN RESEAU D'ANTENNES A CARACTERISTIQUE PANORAMIQUE COMMANDABLE

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Application

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Abstract (en)

[origin: WO0169798A2] The invention relates to an arrangement of antenna elements, arranged such that the elements may be individually controlled and some elements of the antenna array operated in phase and some out of phase with each other. Said antenna array can cover a wide angle in a switchable manner in sectors with a main lobe. In order to determine the reception angle of a received signal the antenna array may be operated with an unsymmetrical antenna pattern, or, by means of an additional receiver element, the symmetry of the antenna characteristic may be influenced by means of calculation.

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