

Title (en)
DUAL-POLARIZATION ANTENNA ARRAY

Title (de)
DUALPOLARISIERTES ANTENNENARRAY

Title (fr)
RESEAU D'ANTENNES A DOUBLE POLARISATION

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Application
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Abstract (en)
[origin: WO03034547A1] The invention concerns an improved antenna array comprising at least two groups of individual antennae (13) including a four dipoles and/or patch antennae having a square-shaped antenna structure. Said array is characterized in that, for each of the two mutually perpendicular polarizations, individual antennae (13, 13') mutually offset at least horizontally are used and/or for each of the two orthogonal polarizations at least two auxiliary antennae (215) mutually offset at least horizontally and/or at least two pairs of vertically oriented antennae are used, said pairs being arranged with respect to each other with a horizontal offset. Additionally, the different mutually horizontally offset and mutually parallel individual antennae are driven with a different phase position depending on the inclination angle.

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