

Title (en)
COMPACT ANTENNA HAVING A DIRECTABLE BEAM

Title (de)
KOMPAKTE ANTENNE MIT EINEM AUSRICHTBAREN STRAHL

Title (fr)
ANTENNE COMPACTE À FAISCEAU ORIENTABLE

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Application
EP 16790405 A 20161104

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Abstract (en)
[origin: WO2017077038A1] The invention relates to an antenna having a directable hyperfrequency beam which comprises: a first dielectric component having subwavelength microstructures formed on a surface of a dielectric substrate; a second diffractive dielectric component (C2) having subwavelength microstructures formed on a surface of a dielectric substrate, designed to deflect an incident hyperfrequency beam. The microstructures of the first component are implanted in a non-periodic arrangement so as to form a non-resonant, dual-function holographic component (CH) for collimating and/or focussing and deflecting an incident beam; said component is associated with a first mechanism for rotation about a first axis, the second component (C2) is associated with a second mechanism for rotation about a second axis.

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