

Title (en)
DEVICE FOR TRANSMITTING AND/OR RECEIVING HIGH-FREQUENCY SIGNALS IN AN OPEN OR CLOSED SPACE SYSTEM

Title (de)
VORRICHTUNG ZUM AUSSENDEN UND/ODER EMPFANGEN VON HOCHFREQUENZSIGNALEN IN EIN OFFENES ODER EIN GESCHLOSSENES RAUMSYSTEM

Title (fr)
DISPOSITIF D'EMISSION ET/OU DE RECEPTION DE SIGNAUX HAUTE FREQUENCE DANS UN SYSTEME SPATIAL OUVERT OU FERME

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Application
EP 05813681 A 20051125

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Abstract (en)
[origin: WO2006061328A1] The invention relates to a device for transmitting and/or receiving high-frequency signals in an open or closed space system. Said device is configured as an array-type radar antenna (1) which transmits and receives the high-frequency signals with a predefined form of the wavefront (15). Said array-type radar antenna (1) is embodied as a support structure with transmitting and/or receiving antenna elements. The support structure is made of a dielectric material. A transceiver unit (25) is provided while at least one supply system is embodied for transmitting the high-frequency signals between the transceiver unit and the transmitting and/or receiving antenna elements. Furthermore, a control/evaluation unit (23) is provided. The aim of the invention is therefore to create an inexpensive, compact, and resistant device for transmitting and receiving high-frequency signals, which is characterized by optimized radiation features.

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