

Title (en)
DEVICE FOR TRANSMITTING AND/OR RECEIVING RADIOFREQUENCY SIGNALS

Title (de)
VORRICHTUNG ZUM SENDEN UND/ODER EMPFANGEN VON HOCHFREQUENZSIGNALEN

Title (fr)
DISPOSITIF D'ÉMISSION ET/OU DE RÉCEPTION DE SIGNAUX RADIOFRÉQUENCES

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Application
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Abstract (en)
[origin: CA2920445A1] The invention relates to a device for transmitting and/or receiving radiofrequency signals, including at least one broadband antenna (310) and a substrate (410); the antenna (310) including at least one first radiating surface (318) that is vertically adjacent to the ground plane, the ground plane being located on a first surface of the substrate (410), at least one side supply tab (314) and at least one side wall (316) connected to at least the first radiating surface (318), the device being characterized in that: the antenna (310) includes at least one second radiating surface (312) configured such as to be energized by the coupling thereof with the first radiating surface (318); the side wall (316) is connected to a coupling trace (416) located on a second surface of the substrate (410), opposite the first surface of the substrate (410), and the side wall (316) and the coupling trace (416) being configured to play the role of a capacitive coupler between at least the first radiating surface (318), the second radiating surface (312) and the ground plane.

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