

Title (en)

FLAT ANTENNA SYSTEM WITH A DIRECT WAVEGUIDE ACCESS

Title (de)

FLACHANTENNENSYSTEM MIT DIREKTWELLENLEITERZUGANG

Title (fr)

SYSTEME D'ANTENNE PLATE A ACCES DIRECT EN GUIDE D'ONDES

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2007054582A1] The invention relates to a flat antenna system (10) comprising at least one sub-network of radiating elements (a₁-a₄) arranged on the surface of a substrate superimposed on a ground plane (5), wherein each sub-network consists of a plurality of radiating elements (3) supplied by the sub-network (b₁-b₄) power supply line to which they are connected, a slit (F₁-F₄) is embodied in the ground plane (5) in front of each sub-network (b₁-b₄) power supply line, the system also comprises a power transmission line (G) which is arranged with respect to the ground plane in such a way that an electromagnetic coupling is formed between said power transmission line and each sub-network power supply line by means of the slit. Said invention is characterised in that the power transmission line is positioned in such a way that it extends at an angle to the sub-network power supply lines.

IPC 8 full level

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