

Title (en)
ANTENNA ARCHITECTURE AND LC COUPLER

Title (de)
ANTENNENARCHITEKTUR UND LC-KOPPLER

Title (fr)
ARCHITECTURE D'ANTENNE ET COUPLEUR LC

Publication
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Application
EP 05807888 A 20051108

Priority
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Abstract (en)
[origin: WO2006050701A2] Disclosed is an antenna architecture for the non-reacting connection of an antenna to a power amplifier, said antenna being connected to the power amplifier via a coupler. The inventive architecture is improved by the fact that the coupler is provided with an input gate for feeding the signal that is to be transmitted to the antenna while comprising a first and a second antenna gate for transmitting the signal to the antenna, the input gate and the load gate encompassing a joint gate terminal and the first and the second antenna gate being equipped with a joint gate terminal. Furthermore, the antenna comprises a first and a second, identically designed individual antenna, the first individual antenna being connected to the first antenna gate and the second individual antenna being connected to second antenna gate. Additionally, an adjusted terminating resistor is connected to the load gate while the coupler transmits the signal to the first antenna gate at a phase angle of 0° and to the second antenna gate at a phase angle of 90°.

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