Title (en)

FEED NETWORK AND ANTENNA

Title (de)

EINSPEISUNGSNETZWERK UND ANTENNE

Title (fr)

RÉSEAU D'ALIMENTATION ET ANTENNE

Publication

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Application

**EP 15165234 A 20110512**

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Abstract (en)

Embodiments of the present invention provide a feed network and an antenna, The feed network includes at least two separate radio frequency transmission channels, characterized in that the at least two separate radio frequency transmission channels are separated by a single metal interlayer or by several metal interlayers being on the same plane, one physical surface of the single or several metal interlayer(s) faces one of the at least two separate radio frequency transmission channels, and the other physical surface of the single or several metal interlayer(s) faces another one of the at least two separate radio frequency transmission channels. In the present invention, the radio frequency transmission channels are separated by the metal interlayer without using any screw or rivet connection. Therefore, the passive intermodulation interference caused by the metal connection is reduced, which increases the reliability and stability of the antenna, and improves the mobile communication quality.

IPC 8 full level

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Citation (search report)

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