

Title (en)

ANTENNA ARRANGEMENT HAVING AT LEAST TWO DECOUPLED ANTENNA COILS; RF COMPONENT FOR NON-CONTACT TRANSMISSION OF ENERGY AND DATA; ELECTRONIC DEVICE HAVING RF COMPONENT

Title (de)

ANTENNENANORDNUNG MIT WENIGSTENS ZWEI ENTKOPPELTEN ANTENNENSPULEN; RF-BAUTEIL ZUR BERÜHRUNGSLOSEN ÜBERTRAGUNG VON ENERGIE UND DATEN; ELEKTRONISCHES GERÄT MIT RF-BAUTEIL

Title (fr)

STRUCTURE D' ANTENNE AVEC AU MOINS DEUX BOBINES-ANTENNES; COMPOSANT RF POUR LA TRANSMISSION SANS CONTACT D' ÉNERGIE ET DE DONNÉES; APPAREIL ÉLECTRONIQUE AVEC COMPOSANT RF

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Application

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Abstract (en)

[origin: CA2713644A1] The invention relates to an antenna arrangement for RF systems, comprising at least two antenna coils (40; 41) disposed over each other in two different layers and thereby not touching each other, wherein a first antenna coil (40) is disposed offset from a second antenna coil (41), and the counterinductivity between the two antenna coils (40; 41) is minimized. The invention further relates to an RF component having such an antenna arrangement, whereby one of the antenna coils is a low-band power coil (40) disposed on the surface of the carrier (30) offset to a wide-band data coil (41). The invention further relates to an electronic device having such an RF ponent. The electronic device is particularly an electronic display on the basis of electronic ink having bistable elements, wherein the electronic display (70) comprises an RF component (10) for non-contact transmission of power and data to the electronic display (70).

IPC 8 full level

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