

Title (en)

AN ANTENNA FOR RADIO FREQUENCY IDENTIFICATION SYSTEMS, METHODS OF CONFIGURING SAME, AND A RADIO FREQUENCY IDENTIFICATION READER

Title (de)

ANTENNE FÜR RFID-SYSTEME, KONFIGURIERUNGSVERFAHREN DAFÜR UND RFID-LESEGERÄT

Title (fr)

ANTENNE POUR SYSTÈMES D'IDENTIFICATION RADIOFRÉQUENCE, PROCÉDÉS DE CONFIGURATION DE CELLE-CI ET LECTEUR D'IDENTIFICATION RADIOFRÉQUENCE

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Application

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Abstract (en)

[origin: WO2011015511A1] The present invention provides an antenna for an RFID system, including a conductor line (8), wherein the conductor line includes at least two loop parts (80, 82) and at least one connecting part (81). Successive loop parts (80,82) are connected by a connecting part (81). The connecting part is disposed in such a manner as to be separated from said loop. Although the loop circumference is in the order of a wavelength the connecting part (81) ensures the current on the loop parts (80, 82) to flow in the same direction. Thus, the antenna can attain a sufficient size in a UHF RFID system and satisfy the reading distance requirement for a near-field UHF RFID reader. Alternative solutions for the connecting part are detour lines and phase shifting devices.

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