

Title (en)
RFID ANTENNA MODULES AND INCREASING COUPLING

Title (de)
RFID-ANTENNENMODULE UND ERHÖHTE KOPPLUNG

Title (fr)
MODULES D'ANTENNE RFID ET AMÉLIORATION DE COUPLAGE

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Application
EP 11743528 A 20110811

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Abstract (en)
[origin: WO2012020073A2] A transponder (240) with an antenna module (200, 200A, 200B, 200E, 200E, AM) having a chip module (108, 208) and an antenna (110, 210, A); a booster antenna (250) having a first antenna structure (252, D) in the form of a flat coil having a number of turns, an outer end (7) and an inner end (8), and a second antenna structure (254, E) in the form of a flat coil having a number of turns, an outer end (9) and an inner end (10); the inner end (10) of the second antenna structure (254) connected with the outer end (7) of the first antenna structure (252). The antenna module may be positioned so that its antenna (A) overlaps one of the first antenna structure (252, D) or the second antenna structure (254, E). An antenna module (200, 200A, 200B, 200D, 200E) having two additional antenna structures (B, C) is disclosed. Methods of enhancing coupling are disclosed.

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