

Title (en)  
Antenna for RFID tag

Title (de)  
Antenne für ein RFID-Etikett

Title (fr)  
Antenne pour étiquette RFID

Publication  
**EP 1993167 A1 20081119 (EN)**

Application  
**EP 07108368 A 20070516**

Priority  
EP 07108368 A 20070516

Abstract (en)  
Antenna, especially suitable for communication with an RFID tag, comprising a first double quad antenna having closed squares (1,2) which meet at one vertex and are cut open at that location (A, B) and interconnected two by two. A second double quad antenna is provided, equal to the first one, which is rotated a quarter of a turn with respect to the first antenna around an imaginary axis through the common vertices of both double quad antennas. The quads (1, 2) of the first antenna and the quads (3, 4) of the second antenna may be located in planes which are somewhat underneath each other. An RF signal source may be connected to the vertices (A, B) of the first double quad antenna and, moreover, to those (C, D) of the second double quad antenna, e.g. via a propagation delay element realizing a phase shift which causes a circular or oval RF field.

IPC 8 full level  
**H01Q 7/00** (2006.01); **G06K 19/07** (2006.01)

CPC (source: EP)  
**H01Q 1/2225** (2013.01); **H01Q 7/00** (2013.01)

Citation (search report)

- [A] DE 19603803 A1 19970814 - KOCH NIELS [DE]
- [A] FR 2864354 A1 20050624 - COMMISSARIAT ENERGIE ATOMIQUE [FR]
- [A] US 5142292 A 19920825 - CHANG LUKE C [US]

Cited by  
US2011205027A1; WO2013091548A1; US9230207B2

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR MK RS

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