

Title (en)  
READER OR TRANSMITTER AND/OR RECEIVER COMPRISING A SHROUDED ANTENNA

Title (de)  
ABGESCHIRMTE ANTENNE FÜR LESER ODER SENDER/EMPFÄNGER

Title (fr)  
LECTEUR OU EMETTEUR ET/OU RECEPTEUR EQUIPE D'UNE ANTENNE BLINDEE

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Application  
**EP 02787538 A 20021031**

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Abstract (en)  
[origin: WO2004040698A1] The invention relates to a reader or transmitter and/or receiver (22) comprising a shrouded antenna which is formed by two groups of turns or coils (6, 8, 9; 16, 17). The first group of turns or coils forms a shrouded antenna. The second group comprises two coils (16, 17) which are disposed between the central coil (6) and respectively the two end coils (8, 9) of the first group. The second group of coils is powered in phase quadrature with respect to the first group of coils, the set of coils being arranged such as to obtain a magnetic field (H) having an amplitude (A) which is essentially constant along the length of the central axis (24) of the antenna inside the total internal volume of said antenna.

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**H01Q 7/04**

IPC 8 full level  
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