



(11) **EP 1 892 844 A9**

(12) **CORRECTED EUROPEAN PATENT APPLICATION**

(15) Correction information:
Corrected version no 1 (W1 A3)
Corrections, see
Bibliography INID code(s) 71

(51) Int Cl.:
H01Q 7/00 (2006.01)

(48) Corrigendum issued on:
07.10.2009 Bulletin 2009/41

(88) Date of publication A3:
05.08.2009 Bulletin 2009/32

(43) Date of publication A2:
27.02.2008 Bulletin 2008/09

(21) Application number: **07253131.2**

(22) Date of filing: **09.08.2007**

(84) Designated Contracting States:
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 States:
AL BA HR MK RS

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(30) Priority: **23.08.2006 US 839483 P**

(54) **System for minimising coupling nulls**

(57) A system is disclosed for minimizing coupling nulls between an electromagnetic field derived from one or more sources and a plurality of randomly oriented RFID tags, wherein the electromagnetic field is rotated relative to the tags such that no tag is persistently located in a coupling null relative to the field. The source of the electromagnetic field may include a passive antenna or

loop that changes its orientation relative to a direction of movement of the tags. The source of the electromagnetic field may further include an active antenna or loop that is electromagnetically coupled to the passive antenna or loop. A method for minimizing coupling nulls between the electromagnetic field and the randomly oriented tags is also disclosed.

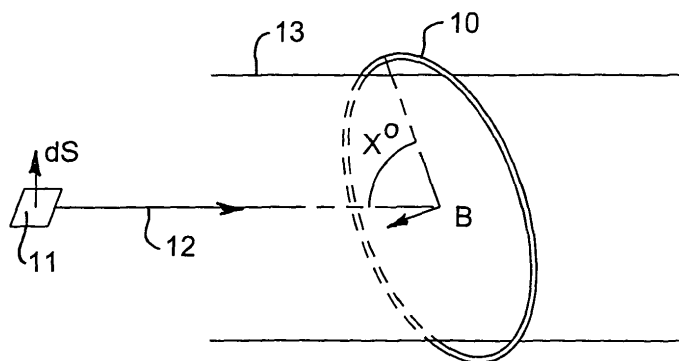


FIG 1

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EUROPEAN SEARCH REPORT

Application Number
EP 07 25 3131

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The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 29 June 2009	Examiner Mier, Ana
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82