

(19)



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(11)

EP 1 416 583 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
19.05.2004 Bulletin 2004/21

(51) Int Cl. 7: H01Q 1/32, H01Q 1/52

(43) Date of publication A2:
06.05.2004 Bulletin 2004/19

(21) Application number: 03024670.6

(22) Date of filing: 28.10.2003

(84) Designated Contracting States:
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR
HU IE IT LI LU MC NL PT RO SE SI SK TR
Designated Extension States:
AL LT LV MK

(30) Priority: 28.10.2002 SE 0203186

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(54) Mounting of an antenna on a vehicle roof with maintained high voltage protection

(57) A system for vehicles is provided, comprising a first unit arranged on the outside of the vehicle and a second unit arranged on the inside of the vehicle, and communication means to provide a communication contact between said first and second units. The communi-

cation means further provides a galvanic separation between the first and second units. Thanks to this separation, a reliable high-voltage protection is achieved without distorting the communication signals. The invention is particularly useful for internet solutions for trains.

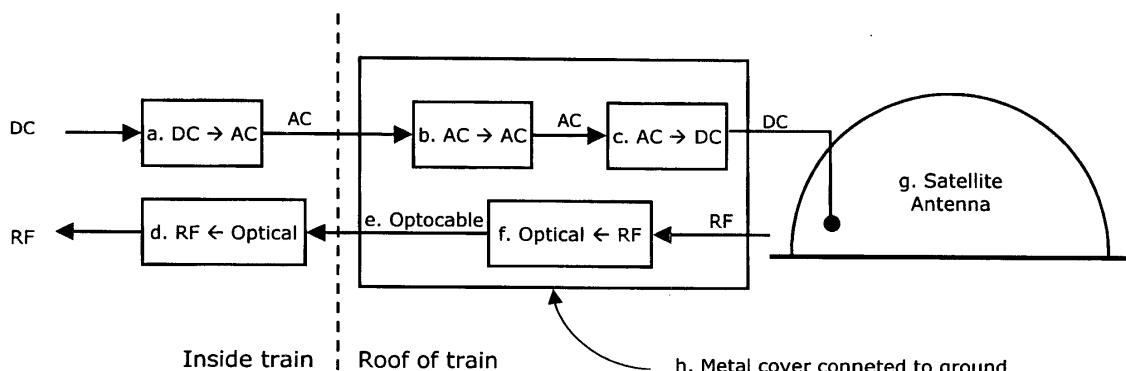


Fig. 1



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EUROPEAN SEARCH REPORT

Application Number
EP 03 02 4670

DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int.Cl.7)		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)		
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The present search report has been drawn up for all claims					
Place of search	Date of completion of the search	Examiner			
The Hague	30 March 2004	Wattiaux, V			
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					

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 03 02 4670

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