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(72) Inventor: **Barker, Roger Neil**
Dulwich Hill, New South Wales 2203 (AU)

(74) Representative: **Schäfer, Wolfgang, Dipl.-Ing.**
Dreiss + Partner,
Gerokstr. 6
70188 Stuttgart (DE)

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(71) Applicant: **ALCATEL**
75008 Paris (FR)

(54) **Emi filtering of multi-wire cables**

(57) A multiple-wire cable such as a cable connecting a PABX which generates unwanted EMI signals to other equipment acts to radiate EMI and to conduct EMI signals to other equipment.

It is known to apply individual line filters to each line to prevent the EMI signals from being distributed over

the cable. According to the invention EMI signals, both radiated and conducted are attenuated by a distributed filter in the form of a screen applied to the cable. To effectively attenuate the conducted signals, the length of the screened cable must be greater than a minimum length determined for the frequency of the EMI and the dimensions of the cable.

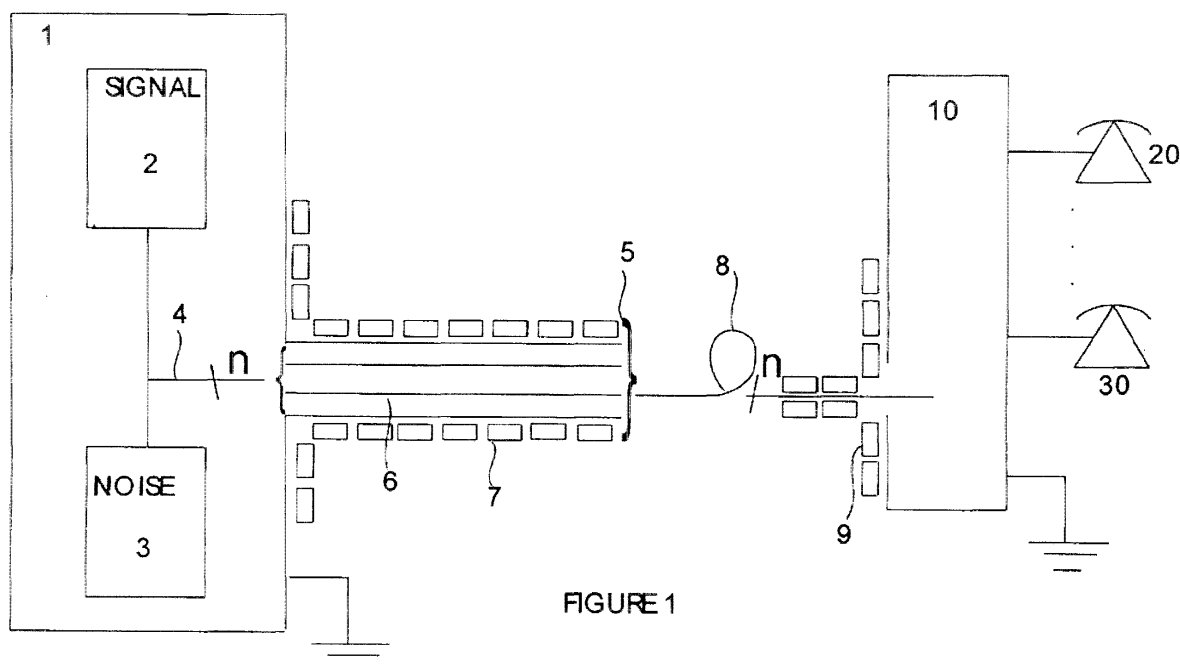


FIGURE 1



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 99 12 3557

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			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			H05K H04Q
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 27 February 2001	Examiner Toussaint, F
CATEGORY OF CITED DOCUMENTS		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	
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			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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