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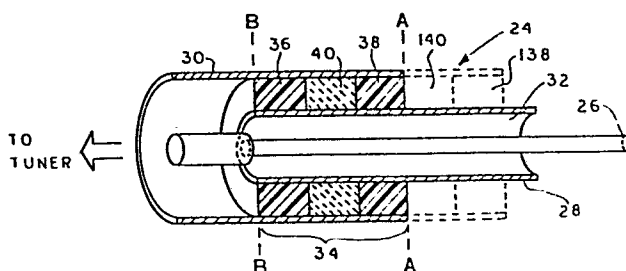
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54 **Method and apparatus for line isolation and interference shielding for a shielded conductor system.**

57 A method and structure is disclosed for isolating the shield of a shielded conductor system from a low frequency power source to which the shield may be connected. In a preferred embodiment, the isolation technique includes providing an interruption in the conductor's shield and situating within the interruption dielectric (36, 38) and magnetically absorptive material (40) so as to create at least a pair of capacitances across the interruption, and such that the capacitances are separated by magnetically absorptive material. In this manner, low frequency isolation is achieved and the field within the cable is shielded from ambient high frequency electromagnetic interference which could otherwise leak through the interruption into a desired high frequency signal path within the conductor.



**FIG. 2**



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Application number  
EP 81 30 1118

DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int. Cl.)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
	<u>DE - C - 902 028</u> (TELEFUNKEN)  * Page 2, lines 9-112; figures 2-6 *  ---	1-3	H 01 B 11/18
	<u>US - A - 3 995 193</u> (NIPPON ELECTRIC)  * Column 3, line 3 to column 8, line 33; figures 1-5 *  ---	1-5, 7, 9	
	<u>US - A - 2 962 677</u> (EDWARDS)  * Column 1, line 45 to column 3, line 75; figures 1-3 *  ---	1-3	TECHNICAL FIELDS SEARCHED (Int. Cl.)  H 01 B 11/18 11/06 11/10 H 01 P 1/06 1/202 1/23
	<u>FR - A - 2 275 017</u> (THOMSON-CSF)  * Page 2, line 19 to page 5, line 29; figures 1-5 *  ---	1-3	
	<u>FR - A - 2 254 864</u> (CABLES DE LYON)  * Page 2, line 32 to page 6, line 26; figure 1 *  -----	1, 3	CATEGORY OF CITED DOCUMENTS  X: particularly relevant A: technological background O: non-written disclosure P: intermediate document T: theory or principle underlying the invention E: conflicting application D: document cited in the application L: citation for other reasons
<div style="display: flex; align-items: center;"> <div style="border: 1px solid black; width: 30px; height: 30px; margin-right: 10px; display: flex; align-items: center; justify-content: center;">4</div> <div>             The present search report has been drawn up for all claims           </div> </div>			&: member of the same patent family corresponding document
Place of search	Date of completion of the search	Examiner	
The Hague	05.10.1981	DEMOLDER	