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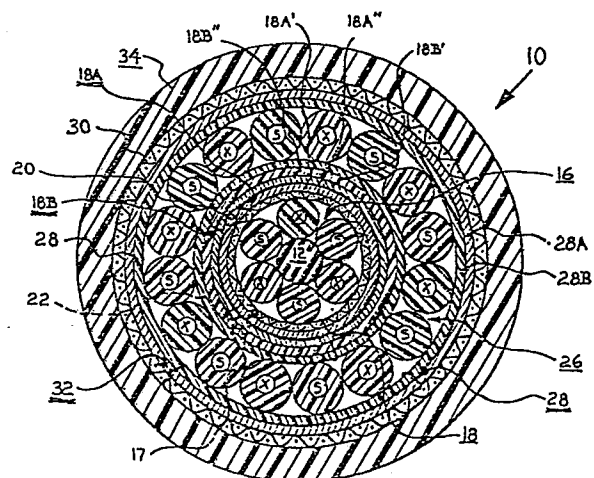
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54 **Transmission cable having concentric layers of conductors.**

57 A transmission cable is formed of one or more concentric layers (16, 26) of individual conductors. Each layer is surrounded by an electrically conducting member (18, 28). Alternate conductors in each layer are signal carrying conductors (5) while the other conductors (X) in a layer are either all ground, signal return or signal conductors. The conducting members (18, 28) are electrically connectable to a ground potential to form a grounded structure in which each signal carrying conductor is at least partially electrically shielded along its entire axial length.





European Patent
Office

EUROPEAN SEARCH REPORT

0182435

Application number

EP 85 20 1861

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.4)
X	US-A- 4 461 923 (BOGESE) * Column 5, line 53 - column 6, line 18; figure 5 * ---	3,8-10	H 01 B 11/00
X	FR-A- 2 534 061 (ANDRE et al.) * Abstract; figure 1 * ---	2,6	
Y	CH-A- 543 800 (SPRECHER) * Claim I; figures 1,2 * ---	1,4, 10-12	
Y	DE-A- 2 048 401 (THOMAS) * Page 3, line 14 - page 4, line 17; figures 1,2 * ---	1,4,10	
Y	DE-A- 2 644 252 (SIEMENS) * Figure 2 * ---	11,12	TECHNICAL FIELDS SEARCHED (Int. Cl.4)
A	DE-A- 2 237 985 (SIEMENS) * Page 5, lines 1-22; figures * ---	1	H 01 B
A	GB-A- 1 289 553 (SUPERIOR) * Page 3, lines 9-67; figures 1-4 * ---	3,8-10	
A	GB-A- 768 828 (SIEMENS) * Page 4, lines 26-49; figure 4 * ---	3,10	
The present search report has been drawn up for all claims			
Place of search VIENNA		Date of completion of the search 04-08-1986	Examiner KUTZELNIGG
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			



CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing more than ten claims.

- ☐ All claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for all claims.
- ☐ Only part of the claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid, namely claims:
- ☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.

X LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirement of unity of invention and relates to several inventions or groups of inventions, namely:

- 1) Claims 1,4,5 and 10 as related to claim 1: Cable comprising a conducting member disposed radially outwardly of conductor layer having other conductors being grounded conductors
- 2) Claims 2,6,7 and 10 as related to claim 2: Cable comprising a conducting member disposed radially outwardly of conductor layer having other conductors being signal return conductors
- 3) Claims 3,8,9 and 10 as related to claim 3: Cable comprising a conducting member disposed radially outwardly of conductor layer having other conductors being signal carrying conductors
- 4) Claims 11,12: Cable comprising a first conducting member disposed radially inwardly of conductors

- ☒ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.
- ☐ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:
- ☐ None of the further search fees has been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims: