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(54) **Right angle impedance matched electrical connector.**

(57) Microstrip transmission of electrical signals between two arrays of signal conductors such as two printed circuit boards is maintained in a right angle electrical receptacle connector (2) in which signal contacts (70,80) are disposed on opposite sides of a central ground bus (90). The signal contacts (70,80) are urged inwardly into engagement with a central dielectric wall (32,34) and the ground bus (90) is similarly urged outwardly into engagement with the same wall (32,34) to establish the microstrip configuration between each row of terminals in the central ground bus (90). The receptacle connector (4) includes a right angle bend and the signal contacts (70,80) as well as the ground bus (90) also have a right angle bend. The insulative housing (10) of the right angle connector (2) comprises upper and lower housing members (12,14) which are snapped into engagement. Resilient arms, forming a part of a connector mounting assembly on the upper housing

member (12), engage the lower housing member (14) to hold it in place.

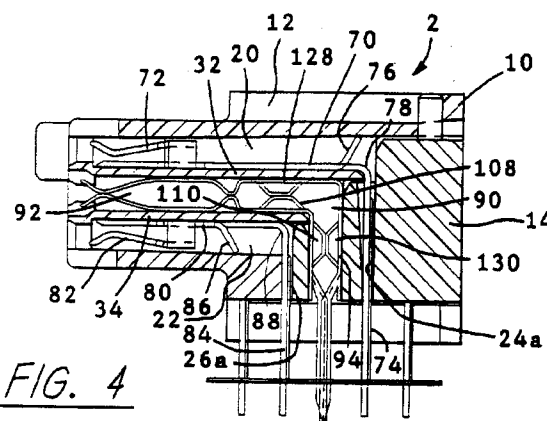


FIG. 4



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EUROPEAN SEARCH REPORT

Application Number

EP 91 30 3286

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. 5)
A	EP-A-0 145 083 (DU PONT DE NEMOURS) * figures 1-4; abstract; page 2, lines 1-29; page 6, line 5 - page 12, line 12 * ---	1-3,6	H 01 R 23/68 H 01 R 23/70 H 01 R 17/12
A	EP-A-0 355 048 (DU PONT DE NEMOURS) * figures 1-6B; abstract; column 2, line 15 - column 8, line 11 * ---	1-3,6	
A	EP-A-0 218 435 (DU PONT DE NEMOURS) * figures 1-5; page 4, line 28 - page 9, line 23 * ---	1,3,4,6	
A	EP-A-0 335 160 (HARTING) * figures 1-3; column 2, line 44 - column 4, line 2 * -----	1-3	
			TECHNICAL FIELDS SEARCHED (Int. Cl. 5)
			H 01 R
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
BERLIN		12-06-1992	HAHN G
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	