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# EUROPEAN PATENT APPLICATION

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⑤① Int. Cl.4: **H 01 R 43/28**

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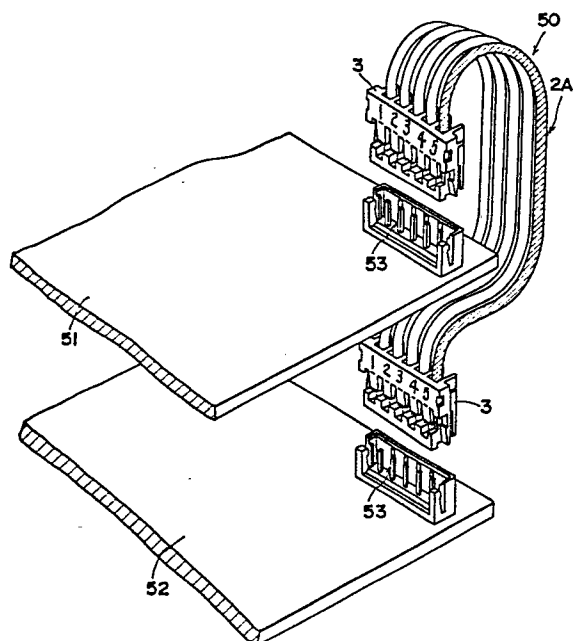
⑧④ Designated Contracting States: **DE FR GB IT NL**

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⑤④ **Apparatus for manufacturing electrical harnesses.**

⑤⑦ Automatic apparatus, for manufacturing electrical harnesses (50) comprising a plurality of wires (2A<sub>1</sub>) cut to a desired length and a multicontact type connector (3) attached to each of the ends of the wires (2A<sub>1</sub>), fixes the connectors (3) to the wires (2A<sub>1</sub>) in such a manner that their postures are completely reversed, thereby eliminating the necessity for twisting the wires (2A<sub>1</sub>) when connecting the harness (50) to electrical devices (51, 52).





European Patent  
Office

# EUROPEAN SEARCH REPORT

0177359

Application Number

EP 85 30 7103

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)
Y	DE-A-3 223 086 (NIPPON ACCHAKUTANSHI SEIZO) * Page 7, line 1 - page 9, line 35; figures 1,7-13; page 19, lines 13-16 *	1,3	H 01 R 43/28
X	---	2	
Y	EP-A-0 052 486 (BURNDY) * Page 7, lines 28-31; figures 6A-6E *	1	
Y,P	EP-A-0 132 092 (NIPPON ACCHAKUTANSHI SEIZO) * Page 1, line 21 - page 2, line 11; figure 1 * -----	3	
			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
			H 01 R 43/00 H 02 G 1/12
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 01-02-1988	Examiner CRIQUI J.J.
<b>CATEGORY OF CITED DOCUMENTS</b>			
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	