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(71) Applicant: **Ultex Corporation**  
Fukuoka-shi, Fukuoka-ken 812-0007 (JP)

(72) Inventor: **Sato, Shigeru**, c/o Ultex Corporation  
Fukuoka-shi, Fukuoka-ken 812-0007 (JP)

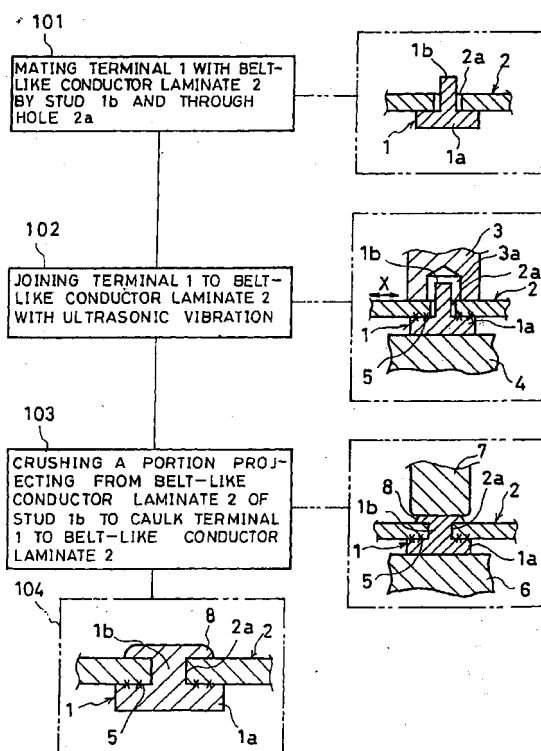
(74) Representative: **Goddard, Heinz J., Dr.**  
**FORRESTER & BOEHMERT**  
Pettenkoferstrasse 20-22  
80336 München (DE)

(54) **A connected body comprising a terminal and a belt-like conductor laminate and a method for connecting a terminal to a belt-like conductor laminate**

(57) A connected body comprising a terminal and a belt-like conductor laminate and having improved mechanical and electrical reliabilities and a method for connecting a terminal and a belt-like conductor laminate.

Mating portions of the belt-like conductor laminate mated with a thin stud projecting from the base of the terminal and the base are joined together with ultrasonic vibration, and a crushed portion formed by caulking a portion projecting from the belt-like conductor laminate of the stud supports the belt-like conductor laminate with the base.

FIG. 1





European Patent  
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# EUROPEAN SEARCH REPORT

Application Number  
EP 03 00 1533

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.7)
A	DE 19 36 561 U (SIEMENS) 14 April 1966 (1966-04-14) * page 5, line 18 - page 7, line 20 * ---	1	H01R43/02
A	US 3 643 006 A (ANCE LOUIS) 15 February 1972 (1972-02-15) * column 2, line 37 - column 4, line 17 * ---	1	
A	US 5 046 971 A (ANDERSON GEORGE A ET AL) 10 September 1991 (1991-09-10) -----		
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			H01R
The present search report has been drawn up for all claims			
Place of search <b>THE HAGUE</b>		Date of completion of the search <b>19 May 2003</b>	Examiner <b>Bertin, M</b>
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			

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**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on  
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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
DE 1936561	U	NONE	
US 3643006	A	15-02-1972	NONE
US 5046971	A	10-09-1991	NONE

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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82