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(54) **Terminal crimping quality decision method/device and frictional wear state detection method of crimping die**

(57) The terminal crimping quality decision device determines the quality of a terminal crimped on a core of an electrical cable by a terminal crimping apparatus. The device uses a characteristic value envelop obtained when the terminal is crimped on the core. A reference value envelop is obtained from a characteristic value envelop obtained when a terminal is correctly crimped on the core. An increment envelop of the reference value envelop is calculated to obtain at least one singular point of the reference value envelop. The quality of a terminal crimped by the terminal crimping apparatus based on a characteristic value envelop of the crimped terminal. The characteristic value envelop is obtained in an envelop division separated by the singular point.

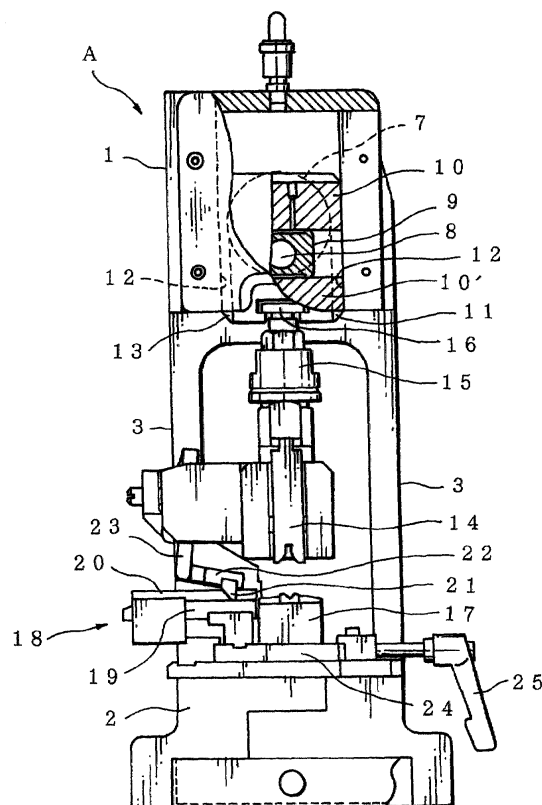


FIG. 1

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EUROPEAN SEARCH REPORT

Application Number
EP 00 11 5749

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)
Y	US 5 271 254 A (K.-H. GLOE ET AL) 21 December 1993 (1993-12-21) * column 6, line 41 - column 9, line 4; figures 8-15 *	1-3,5-8, 10	H01R43/048
Y	US 5 564 298 A (M.DEMEO) 15 October 1996 (1996-10-15) * column 7, line 1 - line 38; figure 4 *	1-3,5-8, 10	
A	EP 0 291 329 A (FURUKAWA) 17 November 1988 (1988-11-17) * column 9, line 47 - column 11, line 59; figures 7-10 *	1-3,5-8	
A	DE 43 37 796 A (ABSTRON) 11 May 1995 (1995-05-11) * column 2, line 7 - line 40; figures 1-6 * -----	1-3,5-8	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			H01R
The present search report has been drawn up for all claims			
Place of search BERLIN		Date of completion of the search 6 February 2002	Examiner Alexatos, 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	

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

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