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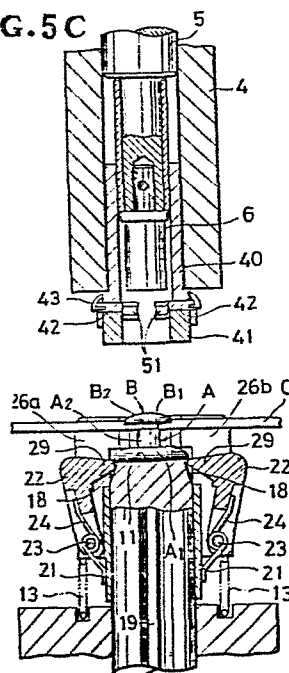
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(54) **Apparatus for assembling a pair of fastener elements.**

(57) An apparatus, for assembling a pair of fastener elements (A, B) of a garment fastener, includes a die (10) having at its upper portion a pair of opposed slant flat surfaces (187, 18), and a clamp assembly (12) slidably mounted on the die (10) and normally urged upwardly by a spring (13). The clamp assembly (12) returns to its upper position as a punch (6) is retracted from the die (10) after the two fastener elements (A, B) have been joined together as compressed between the die (10) and punch (6). During this returning of the clamp assembly (12), the distal end of each of a pair of spring-biased clamp jaws (22, 22) slides on the respective slant surface (18) to push the joined fastener elements (A, B) away from the die (10).

**FIG. 5C**





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# EUROPEAN SEARCH REPORT

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Application number

DOCUMENTS CONSIDERED TO BE RELEVANT			EP 84111294.9
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 4)
A	<p>US - A - 4 376 504 (BIRKHOFFER)</p> <p>* Totality *</p> <p>--</p>	1	A 41 H 37/00
A	<p>US - A - 1 568 030 (WILCOX)</p> <p>* Page 1, lines 90-94; fig. 7 *</p> <p>--</p>	1	
A	<p>US - A - 1 568 031 (WILCOX)</p> <p>* Page 1, lines 97-100; fig. 6-8 *</p> <p>--</p>	1	
A	<p>US - A - 2 262 150 (STRAW)</p> <p>* Page 4, left column, line 17 - right column, line 16; fig. 11-16 *</p> <p>--</p>	1,2	
A	<p>US - A - 665 211 (GRIFFITH)</p> <p>* Page 2, lines 16-44; fig. 3-6 *</p> <p>----</p>	1	<p>TECHNICAL FIELDS SEARCHED (Int. Cl. 4)</p> <p>A 41 H</p> <p>B 21 D 53/00</p>
The present search report has been drawn up for all claims			
Place of search VIENNA		Date of completion of the search 31-07-1985	Examiner NETZER
<p><b>CATEGORY OF CITED DOCUMENTS</b></p> <p>X : particularly relevant if taken alone</p> <p>Y : particularly relevant if combined with another document of the same category</p> <p>A : technological background</p> <p>O : non-written disclosure</p> <p>P : intermediate document</p> <p>T : theory or principle underlying the invention</p> <p>E : earlier patent document, but published on, or after the filing date</p> <p>D : document cited in the application</p> <p>L : document cited for other reasons</p> <p>&amp; : member of the same patent family, corresponding document</p>			