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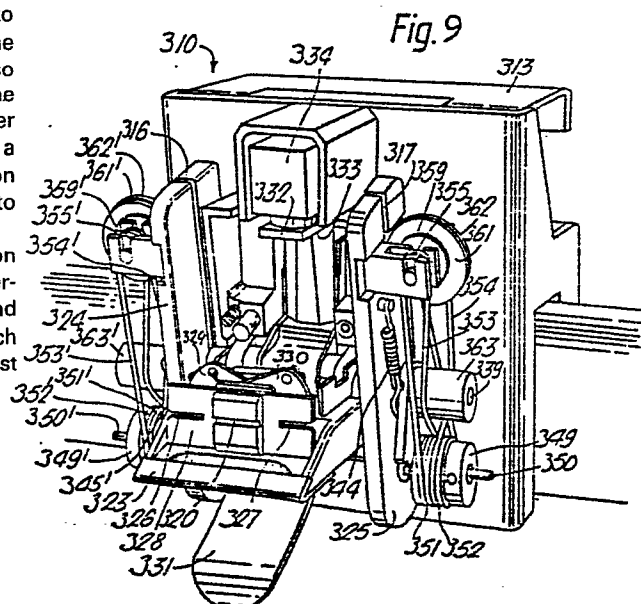
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(54) **Pneumatic splicer with thread twisting means.**

(57) A yarn splicer (310) having a closable pneumatic chamber (320) which is permanently open at each end so as to receive the yarns to be spliced from opposite ends, discrete yarn rolling means (361, 362 (361', 362')) arranged on either side of the splicer adjacent each end of the chamber to engage the running portion of a respective yarn in the chamber, and yarn gripping means (326, 327, 328) also disposed at either end of the chamber to engage the respective loose ends of the yarns. Actuation of the splicer results in a prescribed rolling action on the yarns in a direction to completely detwist them, and deactivation results in an equal and opposite action on the yarns so as to restore the original twist.

The preferred arrangement has a biased lost motion linkage between the actuation means and the chamber-mechanism which provides a drive to the rolling means and gives an over-twist to the yarns during detwisting and which recovers the over-twist as well as restoring the original twist at the termination of the splice.





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DOCUMENTS CONSIDERED TO BE RELEVANT			EP 86309554.3
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.4)
A	DE - A1 - 3 151 270 (W. SCHLAFHORST & CO) * Totality * --	1,14	B 65 H 69/06
A	CH - A5 - 655 079 (W. SCHLAFHORST & CO) * Totality * --	1,14	
A	EP - A1 - 0 039 609 (COMMONWEALTH SC. AND IND. R. ORG.) * Claims 3-8 * ----	1,2,3, 5,8,9	
			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
			B 65 H 69/00 D 01 H 15/00
The present search report has been drawn up for all claims			
Place of search VIENNA		Date of completion of the search 14-07-1987	Examiner JASICEK
CATEGORY OF CITED DOCUMENTS		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	
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			