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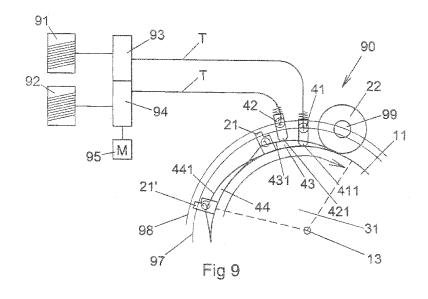
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### (54) Wire feeding device in a rotary stapling machine

(57) A wire advancement device (90) and a method in a rotary stapling machine which wire advancement device comprises a wire source (91, 92), an advancement system (93, 94) and a driving motor (95) arranged so that wire (T) from the wire source is continuously advanced via the advancement system to a first and a second wire introduction assembly (41, 42) mounted in a staple pick-up zone (31) in the rotary stapling machine, and that the wire introduction assemblies are provided with cutting edges that co-operate with the corresponding cutting edges of stapling forks (21, 21'), the cutting edges being arranged to cut off a length of wire advanced to the wire

introduction assemblies (41) and forming a staple blank at each revolution the stapling fork (21) passes the wire introduction assembly (41), as well as that guide means (43, 44) are arranged to allow that the first wire introduction assembly (41) only delivers staple blanks to one of the stapling forks (21) and to allow the second wire introduction assembly (42) to only deliver staple blanks to the other one of the stapling forks (21') by the guide means (43, 44) providing a displacement of the respective wire introduction assembly (41, 42) in the direction away from the stapling cylinder to allow free passage of a stapling fork (21, 21').





## **EUROPEAN SEARCH REPORT**

Application Number EP 10 16 0764

		ERED TO BE RELEVANT	1	
Category	Citation of document with ir of relevant passa	ndication, where appropriate, ages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	GB 2 027 630 A (KOE 27 February 1980 (1 * page 1, lines 13- * page 1, lines 46- * page 1, line 108 * page 2, lines 7-1 * page 2, lines 49- * page 2, line 76 - claims; figures *	980-02-27) 15 * 64 * - page 2, line 2 * 0 * 68 *	1-13	INV. B42B4/02 ADD. B27F7/23 B41F13/66
4	GB 519 247 A (GOSS 20 March 1940 (1940 * page 2, lines 46- * page 3, line 58 - figures *	-03-20) 60 *	1	
1	US 4 750 661 A (PAN 14 June 1988 (1988- * column 5, lines 1	06-14)	1-13	
A	21 February 1995 (1 * column 3, line 60 * column 4, lines 4 * column 4, line 68	- column 4, line 22 *	1-13	TECHNICAL FIELDS SEARCHED (IPC)  B27F B41F B42B
	The present search report has I	peen drawn up for all claims		
	Place of search	Date of completion of the search		Examiner
	Munich	27 May 2014	Car	metz, Cécile
X : parti Y : parti docu A : tech O : non	ATEGORY OF CITED DOCUMENTS icularly relevant if taken alone icularly relevant if combined with anot iment of the same category inological background written disclosure mediate document	L : document cited f	cument, but publ te in the application or other reasons	ished on, or

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

EP 10 16 0764

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