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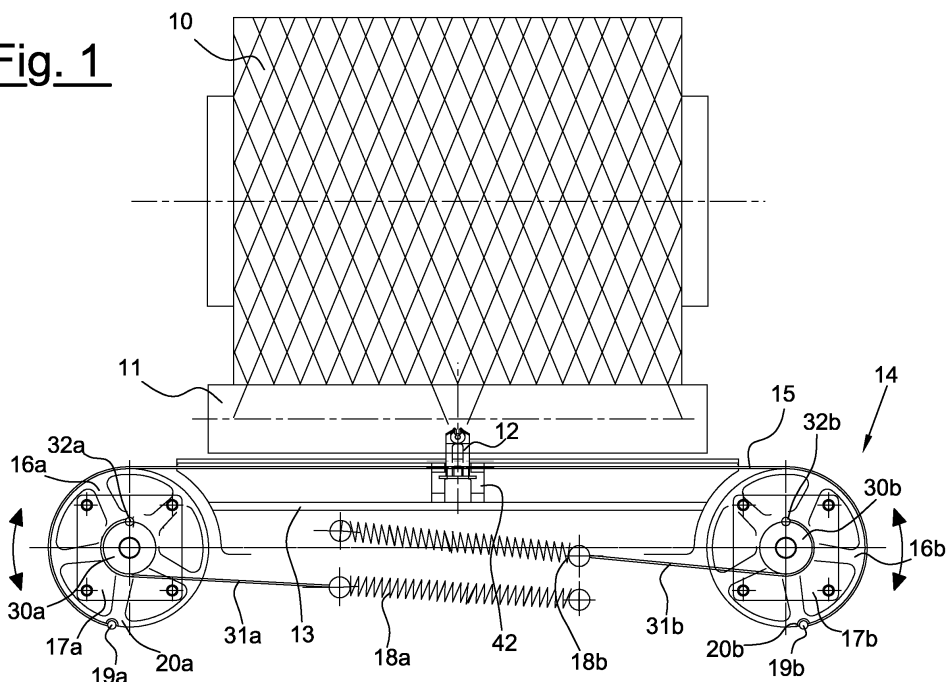
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(54) **Thread-guide device for the production of bobbins with traversing modulation**

(57) Thread-guide device (14) with modulated traversing with an individual thread-guide (12) with a back-and-forth movement fixed to a cord (15) open at the two ends and moved between two pulleys (16a,16b) in an alternating clockwise/anticlockwise movement, each ac-

tivated with its own electric motor (17a,17b), both motors being piloted in frequency. The pulleys (16a,16b) are connected to springs (18a,18b) which pull the thread-guide (12) towards the centre of its run and which alternately accumulate and release energy with every run of the thread-guide.

Fig. 1





European Patent
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EUROPEAN SEARCH REPORT

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EP 07 11 1613

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A	* column 1, line 1 - line 8 * * column 3, line 6 - line 23 * * column 9, line 4 - line 13 * * column 10, line 3 - line 21 * * column 11, line 37 - line 50 * * figures 7,12 *	6-9	
Y	US 6 311 919 B1 (HERMANN'S FERDINAND-JOSEF [DE] ET AL) 6 November 2001 (2001-11-06) * column 1, line 13 - line 18 * * column 5, line 35 - line 67 * * figures 1-6 *	1-5,10	
A	DE 199 63 232 A1 (VOLKMANN GMBH [DE]) 5 July 2001 (2001-07-05) * column 1, line 1 - line 5 * * column 1, line 32 - line 39 * * column 2, line 3 - line 25 * * figure *	1	
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The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
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<p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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</p>			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
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