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(54) **Method of sliver feeding in production of fancy yarn and spinning unit for performing it**

(57) The method of sliver feeding from staple fibre material in production of fancy yarn on spindle-less rotor machines with sliver feeding using the feed roller to the stripping roller, which combs out the individual fibres from the sliver and then the spinning rotor spins them into yarn, characterised by the fact that in case of each and any change of the yarn spinning profile there is - on a short term basis in the time interval of 0,01 - 0,9 second - suddenly increased in at least 10% above the operation

speed of sliver feeding, while the section of the sliver fed in accelerated speed is separated from sections spun by operation speed in at least one location - at the beginning or in the end by reversing the sliver feeding on the basis of speed exceeding the operation speed of feeding.

The spinning unit of the spindle-less spinner for performing the method, including an independently driven feed roller, has got a driving unit (11) of the feed roller (3) drive connected with the sensor (10) of the yarn (13) break and a programmable control unit (12).

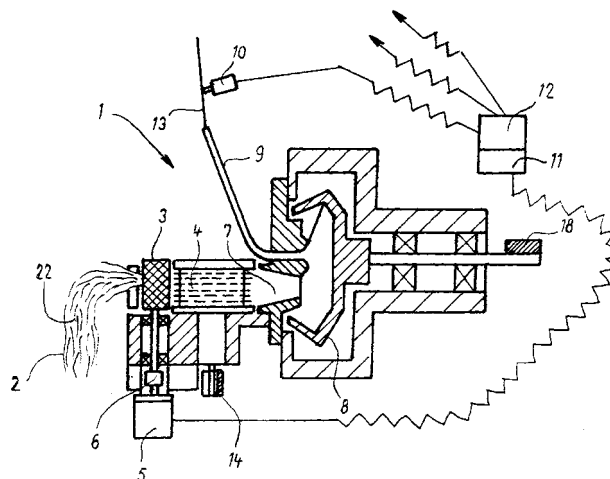


Fig. 1



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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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A	PER OLA OLSSON: "Möglichkeiten der Effektgarnerzeugung mit OE-Spinnmaschinen" MELLIAND TEXTILBERICHTE, vol. 65, no. 3, 1984, pages 167-172, XP002372120 * page 168, right-hand column, paragraph 2.2.1 *	1	TECHNICAL FIELDS SEARCHED (IPC)
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The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 15 March 2006	Examiner D'Hulster, E
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	

2

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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EP 04 46 6020

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
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