

Title (en)  
Method for attaining a defined thread reserve on a rotating balloon limiter of a multi-twisting spindle and multi-twisting spindle with a rotating balloon limiter

Title (de)  
Verfahren zum Aufbau einer definierten Fadenreserve an einem rotierenden Ballonbegrenzer einer Mehrfachdraht-Zwirnspindel und Mehrfachdraht-Zwirnspindel mit rotierendem Ballonbegrenzer

Title (fr)  
Procédé pour l'obtention d'une réserve de fil déterminée dans un limiteur de ballon tournant d'une broche à torsion multiple et broche à torsion multiple avec limiteur de ballon tournant

Publication  
**EP 0615010 B1 19970423 (DE)**

Application  
**EP 94101757 A 19940205**

Priority  
DE 4307685 A 19930311

Abstract (en)  
[origin: EP0615010A1] A method for building up a specific thread reservoir on a rotating balloon limiter (12) of a multiple-twist twisting spindle is characterised in that the thread is guided through a thread-guide eye (13) which is arranged on the upper balloon-limiter region at an angular distance from the radial exit of the thread from the spindle rotor. A multiple-twist twisting spindle with a rotating balloon limiter (12) for carrying out the method is characterised in that the balloon limiter (12) carries in its upper region, preferably at the upper balloon-limiter edge, a thread-guide eye (13) which is located at an angular distance from the radial exit (11) of the thread from the spindle rotor. <IMAGE>

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**D01H 7/86**; **D01H 1/42**

IPC 8 full level  
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CPC (source: EP US)  
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**EP 94101757 A 19940205**; CZ 56894 A 19940311; DE 4307685 A 19930311; US 21259394 A 19940311