

Title (en)  
METHOD OF PRODUCING A SNARL-FREE YARN, AND A SPOOLING MACHINE

Publication  
**EP 0092511 A3 19861015 (DE)**

Application  
**EP 83810132 A 19830331**

Priority  
• CH 237382 A 19820420  
• CH 572282 A 19820929

Abstract (en)  
[origin: US4552320A] Snarls are formed at winding machines and the like when the thread tension is reduced. By reducing the angle alpha which the thread forms with the end surface or face of the delivery bobbin or spool the friction between the thread and the bobbin edge can be increased to such an extent that no thread coils or turns can disengage from the surface of the delivery bobbin and become snarled even when the thread tension decreases. The reduction in the angle alpha may be achieved by lowering a thread guide eye towards the delivery bobbin, by lifting the delivery bobbin or by deflecting the thread at an extension or protection provided at the bobbin. Upon deflecting the thread at the extension a thread reserve can be provided by applying thread turns at the extension in a direction opposite to the thread turns wound on the bobbin and which thread reserve can be eliminated in a simple manner by withdrawing the same as a whole or in sections.

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**D01H 13/12**; **B65H 63/00**

IPC 8 full level  
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CPC (source: EP US)  
**B65H 49/02** (2013.01 - EP US); **B65H 54/026** (2013.01 - EP US); **B65H 63/036** (2013.01 - EP US); **B65H 63/088** (2013.01 - EP US); **D01H 13/12** (2013.01 - EP US); **B65H 2701/31** (2013.01 - EP US)

Citation (search report)  
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• [A] FR 1489291 A 19670721 - HAMEL AG  
• [A] US 3982708 A 19760928 - HANCOCK REGINALD RONALD, et al  
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Designated contracting state (EPC)  
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**EP 83810132 A 19830331**; US 48203783 A 19830404