

Title (en)  
Device and process for piecing a thread

Title (de)  
Vorrichtung und Verfahren zum Anspinnen eines Fadens

Title (fr)  
Dispositif et procédé pour la rattache d'un fil

Publication  
**EP 1785513 A3 20091104 (DE)**

Application  
**EP 06120043 A 20060904**

Priority  
DE 102005054100 A 20051112

Abstract (en)  
[origin: EP1785513A2] During piecing on an open-end spinning machine the yarn has to be accelerated suddenly and to provide the necessary friction, the nip roller (12b) of the draw-off roller pair has a rubber surface. To extend the roller life, the yarn is moved by a yarn guide (18a) to a different part of the roller surface. The motion is performed by a traverse drive mechanism (19) at every operation of the nip roller. An independent claim is included for the corresponding equipment to move the yarn. This can involve a reciprocating guide (18a) or alternatively, a drive to move the position of the nip roller (12b). The nip roller action can be assisted by a pneumatic cylinder. The traverse drive can be taken from the rotation of the nip roller or it can be an independent drive. The rubber surface of the nip roller can be structured, e.g. ribbed.

IPC 8 full level  
**D01H 4/48** (2006.01)

CPC (source: EP)  
**B65H 57/28** (2013.01); **D01H 4/50** (2013.01); **D01H 13/06** (2013.01); **B65H 2701/31** (2013.01)

Citation (search report)

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- [A] GB 2109423 A 19830602 - FEHRER TEXTILMASCH
- [A] DE 2430544 A1 19760115 - KRUPP GMBH
- [A] DE 3917047 A1 19901129 - SCHLAFHORST & CO W [DE]
- [A] DE 169316 C

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Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

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**EP 06120043 A 20060904**; CN 200610148429 A 20061107