

Title (en)  
CARD CLOTHING GRINDING

Publication  
**EP 0322637 B1 19911016 (DE)**

Application  
**EP 88120865 A 19881214**

Priority  
CH 505687 A 19871224

Abstract (en)  
[origin: EP0322637A1] The card clothing elements (17) of a carding machine are ground using an abrasive material which is resiliently pretensioned against the card clothing teeth. It is customary in the field of spinning to grind the card clothing teeth from time to time in order to resharpen them when necessary. This has the disadvantage that for this purpose the carding machine needs to be taken out of service for certain time intervals. Moreover, the wear at the tips of the teeth is responsible for a gradual, continuous deterioration in web quality, which suddenly improves on grinding. The last-mentioned factor makes it difficult to produce yarns of uniform quality. <??>These disadvantages are to be avoided by subjecting at least one card clothing element (17) of the carding machine to grinding while in service in a grinding process brought about by the in-service movement of the card clothing element (17) and by making the grinding area (31) of the process material (22) movable in three degrees of freedom in a resiliently pre-tensioned position. An additional benefit is uniform wear of the teeth. <IMAGE>

IPC 1-7  
**B24B 19/18; D01G 15/38**

IPC 8 full level  
**B24B 19/18** (2006.01); **D01G 15/38** (2006.01); **D01G 15/84** (2006.01)

CPC (source: EP KR US)  
**B24B 19/18** (2013.01 - EP US); **D01G 15/38** (2013.01 - EP US); **D01G 15/84** (2013.01 - KR)

Cited by  
EP0565486A1; DE19806975A1; US6106381A; US5355560A; US6129614A; US5277000A; DE19739187A1; US5989110A; WO9318888A1; EP0565486B2

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