

Title (en)

ALL-STEEL CARD CLOTHING FOR ROLLERS AND/OR DRUMS OF CARDERS OR CARDING MACHINES

Title (de)

GANZSTAHLGARNITUR FÜR WALZEN UND/ODER TROMMELN VON KARDEN ODER KREMPELN

Title (fr)

GARNITURE INTEGRALEMENT EN ACIER DESTINEE A DES CYLINDRES ET/OU DES TAMBOURS DE CARDES OU DE CARDEUSES

Publication

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Application

**EP 03811735 A 20030911**

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Abstract (en)

[origin: US7325278B2] The present invention relates to an all-steel card clothing for rollers and/or cylinders of carding machines. Carding machines comprise rollers which are configured to actively take over raw fiber materials from rollers arranged upstream in work direction. Therefore, such card clothings have a relatively large front angle. The problem is that the stability of the card clothings suffers. According to the invention, the teeth have a head angle of  $>85^\circ$  in order to solve this problem. The length of the head surface extending at said angle from the tooth tip to the tooth back corresponds to at least  $\frac{1}{4}$  of the length of the tooth pitch. This achieves a considerably more stable card clothing while maintaining the high carding quality.

IPC 8 full level

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CPC (source: EP US)

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Cited by

DE102014107079B3; EP2489766A2; WO2015154837A1; EP3497271B1

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