

Title (en)

Carding machine with a flat-clothing having a point grinding

Title (de)

Karde mit einer hinterschliffenen Deckelgarnitur

Title (fr)

Carde avec garniture de chapeaux présentant des pointes meulées à zéro degrés

Publication

EP 1411157 A1 20040421 (DE)

Application

EP 03020796 A 20030912

Priority

DE 10248776 A 20021018

Abstract (en)

A textile carding assembly has an all-steel drum which rotates under a movable cover (3) whose lower surface has projecting wire rods bent into hooks (8). The hook extremities are ground to an angle alpha of less than 5 degrees. The angle is measured between a plane which is parallel to the cover rod and the ground surface of the hook. The claim incorporates a hook tip ground to an angle of 0 degrees. The ground surfaces of each hook lie essentially in the same plane and are equidistant from the cover lower surface. The length of the ground surface is at least half the rod diameter and has a length to width ratio of greater than 3.5. The width is pref. 0.07 mm. Also claimed is a commensurate carding cover unit.

Abstract (de)

Die vorliegende Erfindung betrifft eine Karde mit einer, eine Ganzstahlgarnitur aufweisenden Trommel und einem Wanderdeckelapparat (3) mit, eine Ganzstahlgarnitur aufweisenden Deckelstäben (23), wobei die Deckelgarnitur Hähkchen (8) aufweist. Um diese Hähkchen zu verbessern ist vorgesehen, dass die Hähkchen einen Hinterschliff in einem Winkel (α) kleiner 5 Grad aufweisen. Des Weiteren betrifft die Erfindung eine Deckelgarnitur zum Einsatz in einer Karde. <IMAGE>

IPC 1-7

D01G 15/84; **D01G 15/86**

IPC 8 full level

D01G 15/84 (2006.01); **D01G 15/86** (2006.01)

CPC (source: EP)

D01G 15/84 (2013.01); **D01G 15/86** (2013.01)

Citation (search report)

- [XY] US 4295248 A 19811020 - BENEKE WOLFGANG, et al
- [Y] US 3325866 A 19670620 - CAILLE EUGENE V
- [Y] GB 2146669 A 19850424 - HOLDSWORTH AND BROTHERS LIMITE
- [Y] GB 787009 A 19571127 - HOWARD BROTHER S MFG COMPANY
- [Y] EP 0945532 A2 19990929 - RIETER AG MASCHF [CH]
- [A] US 2488442 A 19491115 - SNAPE JR EDWIN ALLEN
- [A] US 5989110 A 19991123 - LEIFELD FERDINAND [DE]
- [AD] EP 1227179 A1 20020731 - RIETER AG MASCHF [CH]

Cited by

US11577354B2; CN100372977C; CN108342793A; WO2008144950A1; WO2012159220A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1411157 A1 20040421; **EP 1411157 B1 20080326**; AT E390501 T1 20080415; DE 10248776 B3 20040909; DE 50309453 D1 20080508

DOCDB simple family (application)

EP 03020796 A 20030912; AT 03020796 T 20030912; DE 10248776 A 20021018; DE 50309453 T 20030912