

Title (en)

Method of operating a carding machine and flats for carrying out such a method

Title (de)

Verfahren zum Betreiben einer Karde und Deckel zur Durchführung derartiger Verfahren

Title (fr)

Procédé pour faire fonctionner une machine de cardage et chapeaux pour la mise en oeuvre de ce procédé

Publication

EP 1004692 A2 20000531 (DE)

Application

EP 99112186 A 19990624

Priority

DE 19854194 A 19981124

Abstract (en)

In a carding assembly, with a card drum (10) and a number of flats (20), the set gap (d) between the drum clothing (12) and the flat clothing (22) is adjusted by working the contact area of the flats. Each flat has a laying surface (32) parallel to the contact area for the flat clothing. By working the gap between the contact area and the laying surface, all the flats have the same value. The flat contact surface area is worked when new clothing is fitted. The working is by copy-milling and/or copy-grinding. The grinding process uses boron nitride, and especially with a boron nitride grinding ring. The contact area is of a harder material than the body of the flat, and the contact element is a pin of hardened steel. The pin has a circular cross section, flattened at the contact area to form a rectangular cross section. The pin (26) is bonded to the carrier (24) in a force fit, positive fit and/or by material bonding.

Abstract (de)

Bei einem Verfahren zum Betreiben einer Karde mit einem Tambourgarnitur aufweisenden Tambour und einer Anzahl von jeweils mit einer Deckelgarnitur versehen Deckeln wird vorgeschlagen, einen vorgegebenen Abstand zwischen der Tambourgarnitur und den Deckelgarnituren durch eine Aufbereitung von Deckellaufflächen der Deckel einzustellen. <IMAGE>

IPC 1-7

D01G 15/24

IPC 8 full level

D01G 15/14 (2006.01); **D01G 15/24** (2006.01); **D01G 15/28** (2006.01)

CPC (source: EP)

D01G 15/24 (2013.01); **D01G 15/28** (2013.01)

Cited by

DE10358257A1; DE10358257B4; US7337500B2

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB IT LI NL PT SE

DOCDB simple family (publication)

EP 1004692 A2 20000531; **EP 1004692 A3 20010502**; **EP 1004692 B1 20040915**; AT E276389 T1 20041015; DE 19854194 A1 20000525; DE 59910509 D1 20041021; ES 2224500 T3 20050301; JP 2000160437 A 20000613

DOCDB simple family (application)

EP 99112186 A 19990624; AT 99112186 T 19990624; DE 19854194 A 19981124; DE 59910509 T 19990624; ES 99112186 T 19990624; JP 33343499 A 19991124