

Title (en)

Method for delivering fiber bundle in comb and nipper device for working therefore

Title (de)

Verfahren für Lieferung und Verarbeitung von Faserbündel in Kamm- und Zangeneinrichtung

Title (fr)

Procédé d'alimentation en faisceaux de fibres à traiter dans un dispositif de peignage et pinçage

Publication

EP 0816540 A1 19980107 (EN)

Application

EP 97810396 A 19970623

Priority

JP 18416896 A 19960624

Abstract (en)

A cushion plate unit 50 is constructed by a body plate 51 and a feed roller plate 52, on which a feed roller 9 is contacted. The feed roller plate 52 has at a location downstream from the feed roller 9 in the direction of the movement of the fiber bundle a projected portion 56 for deflecting the movement of the fiber bundle in a direction away from the cushion plate for generating a first area for imparting a frictional force in the fibers in the fiber bundle. A deflector plate 16 is arranged downstream from the projected portion 56 for causing the fiber bundle to be deflected in a direction toward the cushion plate for generating a second area for imparting a frictional force in the fibers in the fiber bundle. Due to the increase in the frictional force, fiber bundles not nipped by detaching rollers 3 and the feed roller 9 are prevented from being entrained by the fibers nipped by and moved by the detaching rollers 3 during the detaching process, thereby reducing an amount of long fibers included in a waste. <IMAGE>

IPC 1-7

D01G 19/16

IPC 8 full level

D01G 19/16 (2006.01)

CPC (source: EP)

D01G 19/16 (2013.01)

Citation (search report)

- [XA] EP 0571324 A1 19931124 - RIETER AG MASCHF [CH]
- [A] EP 0452677 A1 19911023 - RIETER AG MASCHF [CH]
- [A] DE 72108 C
- [A] PATENT ABSTRACTS OF JAPAN vol. 10, no. 383 (C - 393) 23 December 1986 (1986-12-23)

Cited by

CN102953167A; CN105887250A; WO2004088012A1

Designated contracting state (EPC)

CH DE IT LI

DOCDB simple family (publication)

EP 0816540 A1 19980107; EP 0816540 B1 20011017; DE 69707366 D1 20011122; DE 69707366 T2 20020711; JP H108330 A 19980113

DOCDB simple family (application)

EP 97810396 A 19970623; DE 69707366 T 19970623; JP 18416896 A 19960624