

Title (en)

Apparatus for feeding fiber material to a textile machine, especially a carding machine

Title (de)

Einrichtung zum Beliefern mit Fasermaterial einer Textilmaschine, insbesondere einer Karde

Title (fr)

Dispositif pour l'alimentation en matière fibreuse d'une machine textile, et plus particulièrement d'une carde

Publication

EP 0737762 B1 19990714 (FR)

Application

EP 96490020 A 19960412

Priority

FR 9504849 A 19950414

Abstract (en)

[origin: EP0737762A1] The feed system for a carding machine has a number of feed channels distributed over the whole length (L) of the hopper (7). Each delivers fibre material over a defined section (1) of the hopper length (L). Pref. the feed system has a distributor with an inlet to take fibre material with a carrier air stream. The outlets are a number of channels for the distributed material. The distributor divides the incoming fibre material and can block all the distribution outlet openings except one, in succession along them all. The delivery to the distributor channels is through a fan which draws the material into the distributor and blow it out at the channels. The material is divided in the distributor by a rotating collar round the fan rotor. The collar is rotated continuously, or its movement is incremental with a stopper time to give a divided feed to at the distribution channels, or it can vary between the channels according to the material level in the hopper, to top up low sections.

IPC 1-7

D01G 23/02; **D01G 23/08**

IPC 8 full level

D01G 23/02 (2006.01); **D01G 23/08** (2006.01)

CPC (source: EP)

D01G 23/02 (2013.01); **D01G 23/08** (2013.01)

Cited by

US6101679A; WO9918270A1; WO9961689A1

Designated contracting state (EPC)

AT BE CH DE DK GB IT LI

DOCDB simple family (publication)

EP 0737762 A1 19961016; **EP 0737762 B1 19990714**; AT E182186 T1 19990715; DE 69603216 D1 19990819; DE 69603216 T2 19991111; DK 0737762 T3 19991129; FR 2732979 A1 19961018; FR 2732979 B1 19970704

DOCDB simple family (application)

EP 96490020 A 19960412; AT 96490020 T 19960412; DE 69603216 T 19960412; DK 96490020 T 19960412; FR 9504849 A 19950414