Title (en)

Carding machine respectively woolen carding machine

Title (de)

Karde bzw. Krempel

Title (fr)

Machine de cardage respectivement machine de cardage dite laine

Publication

EP 0989213 A1 20000329 (DE)

Application

EP 99810792 A 19990902

Priority

- CH 181198 A 19980904
- CH 193598 A 19980923

Abstract (en)

The carding machine has at least two licker-in units (102,104,106) in succession. The licker-in roller which works together with the drum (100) has a larger diameter than the preceding licker-in roller. With three licker-in units, the first two rollers have the same diameter The licker-in roller at the drum has a diameter of 240-280 mm, and the first two licker-in rollers have a diameter of 150-200 mm. The rotary axes (A1-A3) of the licker-in rollers are on a common horizontal plane (E), or the licker-in roller at the drum is at a higher level than the preceding licker-in rollers. With a card working width of ≥ 1000 mm, the drives for the working units are contained between the vertical sides. The drive transmission belts and cogwheels pass between the drives and the shrouding. The transmissions are divided over a number of drive planes. The carding machine has an entry and/or exit module, on a swing mounting to move between a working position at the drum and a position clear of the drum. The machine has at least one roller module, with the module guide incorporated into the card, for the module to move in and out of the ready position to take up the working position. The drum has a diameter of 700-1000 mm, across its working width. The fiber feed to the carding machine is a shaft with a fiber cleaning system. The lower carding zone forms an enclosed angle at the rotary axis of ≤ 90 degrees and preferably ≤ 80 degrees . The ratio of the drum diameter to the diameter of the doffer is preferably ≤ 1.5.

Abstract (de)

Eine Karde bzw. ein Krempel weist mehrere, vorzugsweise drei Vorreisser (102, 104, 106) auf. Der Durchmesser des mit der Trommel (100) zusammenarbeitenden Vorreissers (106) ist grösser als der Durchmesser des vorangehenden Vorreissers (104).

IPC 1-7

D01G 15/20

IPC 8 full level

D01G 15/20 (2006.01); **D01G 31/00** (2006.01)

CPC (source: EP)

D01G 15/20 (2013.01); **D01G 31/006** (2013.01)

Citation (search report)

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DOCDB simple family (application)

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