

Title (en)
APPARATUS FOR THE PNEUMATIC TRANSPORT OF FIBRE FLOCKS

Publication
EP 0175056 B1 19880309 (DE)

Application
EP 85106725 A 19850531

Priority
CH 411984 A 19840828

Abstract (en)
[origin: US4648754A] An arrangement for pneumatically transporting fiber material flocks through respective chutes to individual carding machines includes a duct which bounds an internal passage that communicates with the chutes, the chutes extending downwardly from the duct. A plurality of control elements is arranged in the passage, respective two of such control elements being situated between each adjacent two of the chutes. Each of the control elements has a substantially plate-shaped control member which is pivotally mounted at the bottom region of the duct, and a block member that extends substantially at a right angle to the control member remotely from the pivot axis and extends toward and into the respective chute. The control element can be pivoted into and arrested in any selected pivoted position, including a closed position in which the block member thereof substantially completely prevents the flow of the transporting medium past the same. The transporting medium carrying the flocks is introduced into either one or into both of the ends of the passage, and the positions of the control elements are so adjusted as to obtain flow speeds upstream of the respective chutes in the range substantially between 2 and 10 m/s; the transporting medium volume can also be adjusted toward this goal. Those of the control elements which are situated between two adjacent chutes may be mounted on a common pivot axle.

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

IPC 8 full level
D01G 23/04 (2006.01); **D01G 23/02** (2006.01); **D01G 23/08** (2006.01)

CPC (source: EP US)
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Cited by
US5143485A; DE102004060403A1; EP4303348A1; DE202020101190U1; US7506411B2

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