

Title (en)
Transporting duct for fibre flocks.

Title (de)
Transportkanal für Faserflocken.

Title (fr)
Conduit de transport pour flocons de fibre.

Publication
EP 0181452 A1 19860521 (DE)

Application
EP 85110899 A 19850829

Priority
CH 517684 A 19841030

Abstract (en)
[origin: US4696608A] A transport duct for fiber flocks and similar fibrous material communicates via a plurality of openings with a corresponding plurality of feeding chutes leading to flock-processing equipment, such as carding machines. The duct includes at least one, but preferably more than one, duct section at which the duct undergoes an abrupt change of direction by between 70 DEG and 110 DEG , so that the fibrous material which is carried through the interior of the duct by a transport medium is slowed down by contact with the duct and then descends more abundantly than otherwise into the chute that immediately follows such section as considered in the direction of flow of the transport medium. The presence of the section or sections with abrupt direction change also makes it possible for the duct to circumvent any obstructions which may be present between the individual chutes at the location of use of the duct, thus permitting optimum utilization of available floor space.

Abstract (de)
Die vorliegende Erfindung bezieht sich auf einen Transportkanal 11 für Faserflocken zum Zuführen von solchen zu längs dem Kanal 11 angeordneten Füllschächten 12, 13, 14 mittels eines Transportmediums. Der Kanal 11 ermöglicht, die Maschinen im Maschinensaal in praktisch beliebiger Weise anzuordnen und somit diesen optimal auszunützen. Gleichzeitig ergibt sich eine gleichmässige Flockenverteilung in den Schächten 12, 13, 14. Dies wird dadurch erreicht, dass bei mindestens einem Füllschacht 12, 13, 14 an einer sich bezüglich der Strömungsrichtung des Transportmediums unmittelbar vor dem Schacht befindlichen Stelle der Kanal 11 eine abrupte Richtungsänderung von zwischen 70° und 110° aufweist.

IPC 1-7
D01G 23/08

IPC 8 full level
B65G 53/52 (2006.01); **D01G 23/08** (2006.01)

CPC (source: EP US)
D01G 23/08 (2013.01 - EP US)

Citation (search report)
• [Y] GB 1178483 A 19700121 - FIBERS CONTROLS CORP [US]
• [Y] DE 373722 C 19230414 - RIETER JOH JACOB & CIE AG
• [A] DE 1229884 B 19661201 - MONSANTO CO
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Designated contracting state (EPC)
AT CH DE FR GB IT LI NL

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EP 0181452 A1 19860521; EP 0181452 B1 19880511; AT E34190 T1 19880515; DE 3562635 D1 19880616; IN 166175 B 19900324; JP S61108728 A 19860527; US 4696608 A 19870929

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EP 85110899 A 19850829; AT 85110899 T 19850829; DE 3562635 T 19850829; IN 710MA1985 A 19850910; JP 24069485 A 19851029; US 79282985 A 19851028