

Title (en)

Method for cleaning the yarn brakes of a creel and trolley equipped with blowing nozzles

Title (de)

Verfahren zum Reinigen von Fadenbremsen eines Gatters und Düsenblaswagen

Title (fr)

Procédé pour nettoyer les freins de fil d'un cantre et chariot équipé de buses soufflantes

Publication

EP 1096046 A3 20010523 (DE)

Application

EP 00107624 A 20000408

Priority

DE 19924690 A 19990528

Abstract (en)

[origin: DE19924690A1] To clean the yarn brakes at a creel, a jet blower trolley is moved and stopped in front of each vertical row of yarn brakes (10). A small vol. of compressed air is directed at each level at the yarn brakes (10), within a given blowing time, through one or more jets (25) with narrow jet openings. As the jet trolley is stopped, the jets are moved out of the transport position into the working setting before the blowing time. At the end of the blowing time, the jets are returned to the transport position. The positions of the jets (25) are set by compressed air and, during the blowing time, the compressed air is directed by the jets (25) at the yarn brakes (10). The jet trolley is stopped at the eyelet bars (11) of the creel. The compressed air can be blown from blower tubes parallel to the jib carriers (23), which have blower openings distributed along their length to the yarn guides (12). An Independent claim is included for a jet blower trolley, with a system to stop it in front of the vertical rows of yarn brakes (10). It is fitted with jets (25) with jet openings of a cross section of 0.2-30.0 mm<2>. Preferred Features: At least two jets (25) are at the leading end of the jib carrier (23). A system has an adjustment mechanism to set the position of the jets (25), with an adjustment operating control, which can be a jet body (24) with at least two jets (25) as the adjustment unit. Or the jet position can be set by a pneumatic sliding system with horizontal pneumatic tubes through the jib carriers (23), containing sliding pistons linked to the jet bodies (24). The jet bodies (24) can have shafts which are rotated mechanically to position the jets. A vertical setting unit (30), which supports the jib carriers (23), can be moved to set the jet positions. The jets (25) are linked to the compressed air supply through air lines to the jet bodies (24), which can be closed.

IPC 1-7

D02H 1/00

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [A] DE 3146636 A1 19830707 - SCHLAFHORST & CO W [DE]
- [AD] DE 3141727 A1 19830428 - SCHLAFHORST & CO W [DE]
- [A] US 3177515 A 19650413 - BAHNSON JR AGNEW H
- [A] DE 9209822 U1 19930826 - UNTERKOFER SIEGFRIED [AT], et al
- [A] US 3003177 A 19611010 - KENJI HIJIYA
- [A] DE 4312823 A1 19931028 - BENNINGER AG MASCHF [CH]
- [A] DE 4030940 C1 19920402

Cited by

CN112551264A; CN109775446A

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