

Title (en)

Procedure and device for traversing a can

Title (de)

Verfahren und Vorrichtung zum Changieren einer Flachkanne

Title (fr)

Procédé et dispositif de va-et-vient pour un pot

Publication

EP 0592799 B2 20020529 (DE)

Application

EP 93113935 A 19930901

Priority

- DE 4234713 A 19921015
- US 12860993 A 19930929

Abstract (en)

[origin: EP0592799A1] The invention relates to a process and a device for traversing a flat can on a textile drafting unit. The object of the invention is to improve the fibre-sliver deposition and the build-up of the sliver column during the traversing of a flat can, in such a way that the delivery and traversing speeds can be increased. According to the invention, the flat can (4) acquires different moments of motion during the cycle of translational motion along the traversing zone (A, A'). A feature of the invention is that the speed in the vicinity of the reversal points (P1, P2), that is to say in the region of the reversal paths (UW1, UW2), is varied continuously. A feature of the device is that the traversing device (15) possesses a drive means (14) which makes the constant translational motion variable in the vicinity of the reversal point (P1, P2) of the traverse. The drive means (14) can be a servomotor which is controlled by computer as a control means. In another embodiment, the drive means (14) is another more cost-effective electric motor which has couplable belt pulleys on its drive shaft. <IMAGE>

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CPC (source: EP US)

B65H 54/78 (2013.01 - EP US); **B65H 2701/31** (2013.01 - EP US)

Citation (opposition)

Opponent :

- Selection and application of variable speed motor drive systems (IEEE 1981 Textile Industry Electrical Conference, May 6-7, 1981 Charlotte, N.C.)
- Siemens Review XLII (1975), Nr. 9, Seiten 380 bis 386

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US5560179A; GB2287964A; GB2287964B; DE4411547A1; DE4411547B4

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