

Title (en)

Method for controlling the manufacturing quality of textile slivers

Title (de)

Verfahren zum Kontrollieren der Herstellungsqualität von Textilfaserbändern

Title (fr)

Procédé de contrôle de la qualité de fabrication de rubans de fibres textiles

Publication

EP 1262581 A1 20021204 (FR)

Application

EP 02360149 A 20020514

Priority

FR 0107283 A 20010601

Abstract (en)

A comparison in line or individual measurements/values taken simultaneously from emerging tapes (2a, 2b, 2c) or entering webs on the same stretching or gill machine located before preparation finishers and equipped with a rack (3), feed cylinder assembly (4a, 4b, 4c), fibre monitoring zone (5a, 5b, 5c), assembly of stretching cylinders (6a, 6b, 6c) and measurement detectors (9a, 9b, 9c). <??>The procedure consists of making a comparison in line or individual measurements or values taken simultaneously from at least two emerging tapes (2a, 2b, 2c) or at least two entering webs on the same stretching or gill machine located before preparation finishers and equipped with a rack (3), at least one feed cylinder assembly (4a, 4b, 4c), at least one fibre monitoring zone (5a, 5b, 5c), at least one assembly of stretching cylinders (6a, 6b, 6c) and measurement detectors (9a, 9b, 9c). The detectors are positioned between the stretching cylinders and storage units (8a, 8b, 8c), and the data from them is used to produce graph curves based on progressive or sliding values. The values are selected so as to filter out any very short term variations and show only medium or long term variations, and each curve is compared with a progressive mean. When faults are detected a light or sound alerting signal is given, and the machine halted when the size of the fault is unacceptable.

IPC 1-7

D01H 5/38; **D01G 15/64**

IPC 8 full level

D01G 15/64 (2006.01); **D01H 5/38** (2006.01)

CPC (source: EP)

D01G 15/64 (2013.01); **D01H 5/38** (2013.01)

Citation (search report)

- [A] WO 9911847 A1 19990311 - RIETER AG MASCHF [CH], et al
- [A] US 6058570 A 20000509 - BAECHLER FRANCOIS [CH]
- [A] EP 0604137 A1 19940629 - HOLLINGSWORTH ON WHEELS JOHN D [US]
- [A] PATENT ABSTRACTS OF JAPAN vol. 006, no. 110 (C - 109) 22 June 1982 (1982-06-22)

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Designated contracting state (EPC)

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