

Title (en)

METHOD OF AVOIDING IMAGES AT THE RANDOM CROSS WINDING OF A YARN

Publication

EP 0093258 B1 19861210 (DE)

Application

EP 83102811 A 19830322

Priority

- DE 3216334 A 19820503
- DE 3217562 A 19820511
- DE 3219880 A 19820527

Abstract (en)

[origin: EP0093258A2] 1. Method of avoiding ribbons at the random cross winding of a yarn by temporarily changing the traverse speed, wherein the following measures are simultaneously taken : 1.1 changing the traverse speed continuously between a maximum value and a minimum value (oscillation) over predetermined stages of the winding cycle ; 1.2 changing the average value of the traverse speed temporarily between an initial value NCA and a disturbance variable NCS, or conversely, when the winding ratios $FA = NS/NCA$ or $FS = NS/NCS$ approach predetermined ribbon ratios FSP, with such change being discontinuous, so that the winding ratio maintains a predetermined minimum safety distance from the ribbon ratio FSP and suddenly and rapidly passes through the minimum safety distance $FSP + S_{min}$ of the ribbon, with the minimum safety distance S_{min} being the smallest allowable difference between a winding ratio FA or FS and the next ribbon ratio FSP, the spindle speed NS being the number of rotations of the spindle per unit of time, and the traverse speed being the number of the double strokes per unit of time, each of which consisting of one forward and one return stroke.

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CPC (source: EP)

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Citation (examination)

ARTOBOLEVSKI "Les mécanismes dans la technique moderne". Tome 2, page 588 (Editions MIR, Boscon.)

Cited by

EP2143680A1; DE102008032654A1; EP1506933A1; EP0248406A3; EP0195325A3; DE19607905A1; US5857638A; DE19607905B4; DE4223271C1; EP0578966A1; US5447277A; EP0486896A1; DE3627879A1; DE3636151A1; DE3636151C2; CN114555498A

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