

Title (en)

METHOD OF CONTROLLING SPINDLE OF SPINNING MACHINE AND SPINDLE CONTROL DEVICE

Title (de)

VERFAHREN ZUR STEUERUNG DER SPINDEL EINER SPINNMASCHINE UND SPINDELSTEUERUNGSVORRICHTUNG

Title (fr)

PROCÉDÉ DE COMMANDE D'UNE BROCHE D'UN MÉTIER À FILER ET DISPOSITIF DE COMMANDE DE BROCHE

Publication

EP 3666943 B1 20210127 (EN)

Application

EP 19204483 A 20191022

Priority

JP 2018212608 A 20181113

Abstract (en)

[origin: EP3666943A1] A method of controlling a spindle (1) of a spinning machine in which the spindle (1) is provided for each of a plurality of spindle stations, includes a setting process (S1) setting a target rotation speed and a target number of yarn breakages for each interval, a detection process (S2) detecting a number of yarn breakages for the plurality of spindle stations, a calculation process (S3) calculating a difference between the number of yarn breakages and the target number of yarn breakages, a classification process (S4) classifying a changing trend in the difference for multiple intervals, a change process (S5) changing the target spindle rotation speed applied to the next interval, and a control process (S6) controlling the spindle rotation speed in the next interval based on a changed target spindle rotation speed during the spinning process.

IPC 8 full level

D01H 13/32 (2006.01)

CPC (source: CN EP)

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