

Title (en)

Spinning machine with abnormality detecting device for drafting device

Title (de)

Spinnmaschine mit Vorrichtung zum Nachweis eines abnormalen Zustandes in einem Streckwerk

Title (fr)

Métier à filer avec dispositif de détection d'une anomalie dans un système d'étirage

Publication

EP 1609893 A2 20051228 (EN)

Application

EP 05011192 A 20050524

Priority

JP 2004181567 A 20040618

Abstract (en)

A drafting device 11 drives front bottom rollers 12, middle bottom rollers 13, and back bottom rollers 14 each by two motors: front roller driving motors 16a and 16b, middle roller driving motors 17a and 17b, and back roller driving motors 18a and 18b. The driving motors are variable-speed-controlled through inverters 19a, 19b, etc. , which are provided with current sensors SA. The current sensors SA detect the amount of electric current supplied in correspondence with the load torques of the driving motors 16a, 16b, etc. A CPU 31 judges that there is abnormality when the difference between the load torques of the two motors driving each back roller is deviated from a set range.

IPC 1-7

D01H 1/22; **D01H 13/14**

IPC 8 full level

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CPC (source: EP)

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Cited by

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