

Title (en)

Device for detecting looseness in drafting rollers of spinning machine

Title (de)

Vorrichtung zur Detektion von Spiel zwischen Streckwerkrollen einer Spinnmaschine

Title (fr)

Dispositif pour détecter de jeu entre des cylindres d'étirage d'un métiers à filer

Publication

EP 1314803 A3 20030813 (EN)

Application

EP 02026353 A 20021122

Priority

JP 2001359039 A 20011126

Abstract (en)

[origin: EP1314803A2] Each of the bottom rollers 12 through 14 of a drafting device 11 is divided into two line shafts 12a through 14a and 12b through 14b and driven by driving motors 15a and 15b from the ends of the machine base. Each line shaft consists of a plurality of roller shafts 21 connected to each other through threaded engagement of screw portions 21a and 21b formed at the ends thereof. Proximity switches 23a and 23b are provided at positions corresponding to those roller shafts 21 of the line shafts 14a and 14b of the back bottom roller 14 which are situated at the driving side ends, and proximity switches 22a and 22b are provided at positions corresponding to those roller shafts 21 situated at the ends on the side opposite to the driving side. <IMAGE>

IPC 1-7

D01H 5/82; **D01H 1/22**; **D01H 13/20**

IPC 8 full level

D01H 1/22 (2006.01); **D01H 5/82** (2006.01); **D01H 13/14** (2006.01)

CPC (source: EP)

D01H 1/22 (2013.01); **D01H 5/82** (2013.01); **D01H 13/14** (2013.01)

Citation (search report)

- [A] US 4561152 A 19851231 - NIIMI KIWAMU [JP], et al
- [A] DE 2735799 A1 19790222 - ZINSER TEXTILMASCHINEN GMBH
- [A] PATENT ABSTRACTS OF JAPAN vol. 008, no. 279 (C - 257) 20 December 1984 (1984-12-20)

Cited by

EP1609893A3; CN107835872A; CN100351445C; ES2215488A1; WO2017006196A1

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