

Title (en)

A fluted roller for the draft apparatus of a spinning machine and a method of producing same.

Title (de)

Geriffelte Rolle für das Streckwerk einer Spinnmaschine und Verfahren zu deren Herstellung.

Title (fr)

Rouleau cannelé pour le banc d'étirage d'un métier à filer et méthode pour produire ledit rouleau.

Publication

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Application

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Priority

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Abstract (en)

The present invention relates to a fluted or grooved roller (2) suitable for use in the draft apparatus of a spinning machine, and a method for producing the same. The surface of the roller (2) with grooves (1) is formed from a steel material and then quench hardened. Consequently, the surface is finished by a shot peening process.

IPC 1-7

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IPC 8 full level

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CPC (source: EP)

B24C 1/083 (2013.01); **B24C 1/10** (2013.01); **D01H 5/78** (2013.01)

Citation (search report)

- [A] US 2244461 A 19410603 - KETTLEY REX A
- [A] US 4239804 A 19801216 - VAN KUIKEN LEWIS L JR [US]
- [A] US 4258084 A 19810324 - HAYDEN SR ROBERT E
- [A] US 4674365 A 19870623 - REED JAMES L [US]
- [A] FR 2266137 A1 19751024 - KRAFTWERK UNION AG [DE]
- [A] DRAHT. vol. 37, no. 11, 01 November 1986, BAMBERG DE pages 655 - 657; B.Kaiser: "Kugelstrahlen zur Steigerung der Schwingfestigkeit von Federn"(see in particular page 657 Bild 3)
- [A] WIRE INDUSTRY. vol. 55, no. 06, 01 June 1988, OXTED GB pages 415 - 420; D.Sommer: "Shot blast descaling and shot peening"

Cited by

CN107447310A; DE4230316A1; KR101310793B1

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