



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
23.01.2008 Bulletin 2008/04

(51) Int Cl.:
D01H 5/78 (2006.01)

(43) Date of publication A2:
23.08.2006 Bulletin 2006/34

(21) Application number: **05028225.0**

(22) Date of filing: **22.12.2005**

(84) Designated Contracting States:
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR
Designated Extension States:
AL BA HR MK YU

(30) Priority: **16.02.2005 JP 2005039616**

(71) Applicant: **MURATA KIKAI KABUSHIKI KAISHA**
Minami-ku
Kyoto-shi
Kyoto 601 (JP)

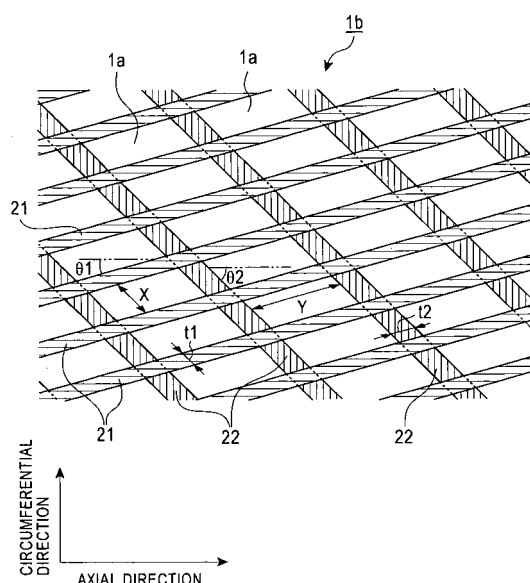
(72) Inventors:
• **Deno, Koji**
Oumihachiman-shi
Shiga (JP)
• **Matsumoto, Tatsumori**
Otsu-shi
Shiga (JP)
• **Toyoda, Takahiro**
Minami-ku
Kyoto-shi
Kyoto (JP)

(74) Representative: **Liedl, Christine et al**
c/o Hansmann & Vogeser,
Albert-Rosshaupter-Strasse 65
81369 München (DE)

(54) **Draft roller in spinning machine**

(57) Owing to the concave and convex shape of a draft roller on which a concave portion is formed using rhombi composed of twill lines, the durability of a rubber draft roller is impaired which roller is used in a pair with the metal draft roller to nip a sliver between them. A drift bottom roller I is constructed by forming a network area having twill lines forming parallelograms into a concave portion that is concave with respect to an outer peripheral surface of a cylinder, the network area having a general shape in which a group of first annular bands 21 is allowed to cross a group of second annular bands 22 on the outer peripheral surface of the cylinder, the first annular bands having the same width and arranged parallel to one another at the same angle θ_1 to an axis of the cylinder at the same intervals along the axis, the intervals each being equal to a length X, the second annular bands having the same width and arranged parallel to one another at the same angle to the axis at the same intervals along the axis, the intervals each being equal to a length Y (Fig. 3).

FIG. 3





European Patent
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EUROPEAN SEARCH REPORT

Application Number
EP 05 02 8225

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			TECHNICAL FIELDS SEARCHED (IPC)
			D01H
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 13 December 2007	Examiner Henningsen, Ole
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

2
EPO FORM 1503 03.82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
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EP 05 02 8225

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