

Title (en)

Draft roller in spinning machine

Title (de)

Streckzylinder in Spinnmaschinen

Title (fr)

Cylindre étireur dans des métiers à filer

Publication

EP 1693491 A2 20060823 (EN)

Application

EP 05028225 A 20051222

Priority

JP 2005039616 A 20050216

Abstract (en)

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).

IPC 8 full level

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CPC (source: EP)

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Citation (applicant)

- JP 2001295144 A 20011026 - MURATA MACHINERY LTD
- JP 2004256934 A 20040916 - MURATA MACHINERY LTD

Cited by

EP2072647A3

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DOCDB simple family (application)

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