

Title (en)

Method for manufacturing an apparatus for processing textile fibres

Title (de)

Verfahren zur Herstellung einer Einrichtung für das Behandeln von Textilfasern

Title (fr)

Procédé pour la fabrication d'un appareil pour le traitement des fibres textiles

Publication

EP 0953662 B1 20020710 (DE)

Application

EP 98107985 A 19980430

Priority

EP 98107985 A 19980430

Abstract (en)

[origin: EP0953662A1] To produce the roller clothing, for loosening fiber materials, the wires (3) or wire sections are stamped to form the teeth (8) before fitting to the ring (1) or circular comb carrier. The teeth are hardened to increase their strength together with electrochemical deburring to give the required shape when the wire is bent at the ring (1) or circular comb carrier, before the surface hardening. The prepared toothed wire is anchored to the ring (1) or circular comb carrier. The sawteeth of the wire clothing are coated with a diamond/Ni cladding layer. The wire (3) is coiled into a spiral before the teeth (8) have their surfaces hardened, and then drawn on to the ring (1). The dimensions of the wire spiral coils allow the wire to be pushed on to the cylindrical ring (1) or fed round a groove (2). The wire has a structured foot with a side groove and a shoulder to match the groove (2) profile with a firm anchor action. The coiled wire clothing can be anchored to a circular comb carrier by a twin-component adhesive.

IPC 1-7

D01H 4/32; **D01G 15/88**

IPC 8 full level

D01G 15/88 (2006.01); **D01H 4/32** (2006.01)

CPC (source: EP US)

D01G 15/88 (2013.01 - EP US); **D01H 4/32** (2013.01 - EP US); **Y10T 29/49561** (2015.01 - EP US)

Cited by

CN102704051A; EP1096043A1; DE102009038329A1; DE10106673A1; EP1233088A3; US6475565B1

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