

Title (en)
Opening roller for an open-end spinning machine

Title (de)
Auflösewalze für eine Offenend-Spinnmaschine

Title (fr)
Cylindre ouvreur pour un métier à filer à bout libéré

Publication
EP 0861930 B2 20070606 (DE)

Application
EP 98101428 A 19980128

Priority
DE 19708190 A 19970228

Abstract (en)
[origin: EP0861930A2] The loosening roller, to break sliver down into fibres for an open-end spinner, uses a wire clothing (3) which is coated, before it is fitted to the clothing carrier (12). Also claimed is a mfg. process where, after the teeth have been shaped in the clothing wire, the wire is shaped into a spiral on the plane where the teeth lie. The wire spiral, with a gap between the coils, is coated and then wound on to the loosening roller.

IPC 8 full level
D01H 4/32 (2006.01); **D01G 15/88** (2006.01); **D01H 4/30** (2006.01)

CPC (source: EP US)
D01H 4/32 (2013.01 - EP US)

Citation (opposition)
Opponent :

- WO 9622410 A1 19960725 - ENGLISH CARD CLOTHING [GB], et al
- JP S4829130 A 19730418
- DE 2433769 A1 19760122 - SEELEMANN BAUMANN GMBH
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- DE 4314161 A1 19941103 - KEMPTEN ELEKTROSCHMELZ GMBH [DE]
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- DE 2211991 A1 19721005 - TOYODA CHUO KENKYUSHO KK
- Schmolke, K.-H., Hartstoffschichten für Auflösewalzen von Rotor-Spinnmaschinen und deren Einfluss auf die Garnqualität und Lebensdauer, Melliand Textilberichte (1991) 4, Seite 241 bis 247

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EP1612307A3; DE19951775C1; US6475565B1; EP0953662B2

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EP 0861930 A2 19980902; EP 0861930 A3 19990414; EP 0861930 B1 20021204; EP 0861930 B2 20070606; CZ 293720 B6 20040714; CZ 54698 A3 19980916; DE 19708190 A1 19980903; DE 59806482 D1 20030116; DE 59811123 D1 20040506; EP 1249525 A2 20021016; EP 1249525 A3 20021127; EP 1249525 B1 20040331; SK 24698 A3 19981104; TW 430702 B 20010421; US 6006511 A 19991228

DOCDB simple family (application)
EP 98101428 A 19980128; CZ 54698 A 19980225; DE 19708190 A 19970228; DE 59806482 T 19980128; DE 59811123 T 19980128; EP 02012599 A 19980128; SK 24698 A 19980225; TW 87102866 A 19980227; US 3107998 A 19980226