

Title (en)
Saw-tooth clothing

Title (de)
Sägezahngarnitur

Title (fr)
Garniture en éléments de dents de scie

Publication
EP 1176236 B1 20080423 (DE)

Application
EP 01117178 A 20010716

Priority
CH 15012000 A 20000728

Abstract (en)
[origin: EP1176236A1] The sawtooth clothing, for a roller mantle, is a wire (56) in a spiral winding, with a blade section structured with triangular sawteeth. The wire blade section has a height of ≤ 2 mm and preferably 1.0-2.0 mm. The sawtooth clothing wire has triangular teeth (58) with a tooth height which is less than the height of the wire blade (60,62) section. The wedge angle (β) of each tooth is 30-120 degrees and preferably 80 degrees . The cutting angle (α) of each tooth is (-) 20 degrees to (-) 60 degrees and preferably (-) 40 degrees . Each tooth has the shape of an equilateral triangle. The teeth are distributed at intervals (p) of 3-5 mm, with a larger tooth interval than the height of the wire blade section. An Independent claim is included for a filling shaft with a feed roller, fitted with a sawtooth clothing, to feed material to a carding machine with a productivity of ≥ 100 kg/hr. of sliver. The feed roller has a reversible drive.

IPC 8 full level
D01G 15/88 (2006.01); **D01G 15/20** (2006.01)

CPC (source: EP)
D01G 15/20 (2013.01); **D01G 15/88** (2013.01)

Citation (examination)
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Designated contracting state (EPC)
CH DE IT LI

DOCDB simple family (publication)
EP 1176236 A1 20020130; EP 1176236 B1 20080423; DE 50113877 D1 20080605

DOCDB simple family (application)
EP 01117178 A 20010716; DE 50113877 T 20010716