

Title (en)
PROCESS FOR THE MANUFACTURE OF SPIRALLED BRISTLES

Title (de)
VERFAHREN ZUR HERSTELLUNG SPIRALIGER BORSTEN

Title (fr)
PROCEDE DE FABRICATION DE SOIES SPIRALEES

Publication
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Application
EP 96931013 A 19960904

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Abstract (en)
[origin: US5985192A] PCT No. PCT/EP96/03874 Sec. 371 Date Aug. 11, 1998 Sec. 102(e) Date Aug. 11, 1998 PCT Filed Sep. 4, 1996 PCT Pub. No. WO97/10374 PCT Pub. Date Mar. 20, 1997The invention relates to a method for the manufacture of screwlike bristles by extruding monofilaments. In order to provide a method with which screwlike bristles can be inexpensively manufactured in the same way as conventional bristles with an identical, predeterminable quality, a monofilament having a non-circular cross-section is extruded and is prestretched after drawing off, accompanied by a reduction in its cross-section, followed by further stretching, twisting to a screwlike bristle material over at least part of its length and then stabilization by shrinkage. It is possible to extrude a monofilament with an oval or polygonal cross-section or having a core and at least one axially parallel rib. According to a further method, at least two monofilaments are prestretched on drawing off, accompanied by a reduction of their cross-section, followed by further stretching, twisting together to give a screwlike bristle material and stabilization by heat shrinkage.

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