

Title (en)  
TOOTHBRUSH AND THE PROCESS FOR ITS MANUFACTURE

Title (de)  
ZAHNBÜRSTE UND VERFAHREN ZU IHRER HERSTELLUNG

Title (fr)  
BROSSE A DENTS ET PROCEDE DE FABRICATION CORRESPONDANT

Publication  
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Application  
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Priority

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Abstract (en)  
[origin: US6161243A] PCT No. PCT/EP96/03873 Sec. 371 Date Aug. 11, 1998 Sec. 102(e) Date Aug. 11, 1998 PCT Filed Sep. 4, 1996 PCT Pub. No. WO97/09907 PCT Pub. Date Mar. 20, 1997A toothbrush has a brush head and plastic bristles, optionally combined into bundles, fixed thereto and whereof at least some bristles have a profile on their circumferential surface. In order in the case of unchanged strength characteristics of the bristles to obtain an increased cleaning and massaging action, the bristles have a helix as the profile. The bristles can comprise a core and at least one helix running over the circumferential surface. For the manufacture of the toothbrush it is possible to extrude and then twist a profiled monofilament or a monofilament with axially parallel ribs and then fix the twist. It is also possible to co-extrude a monofilament made from one plastic with ribs made from a plastic having other characteristics running over its circumferential surface, followed by the twisting of the co-extruded composite and the fixing of the twist.

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