

Title (en)  
TOOTHBRUSH AND METHOD FOR PRODUCING THE SAME

Title (de)  
ZAHNBÜRSTE UND VERFAHREN ZU DEREN HERSTELLUNG

Title (fr)  
BROSSE A DENT ET SON PROCEDE DE PRODUCTION

Publication  
**EP 2292118 A1 20110309 (DE)**

Application  
**EP 10012002 A 20030926**

Priority  
• EP 03788924 A 20030926  
• DE 10259723 A 20021219

Abstract (en)  
A toothbrush comprises a head part; at least one carrier element connected to the head part, top surface(s) of the carrier element defining a front surface of the head part, and the carrier element having a rear surface; and cutouts through which bristle filaments are guided and, for fastening on the carrier element, are melted by their rear ends. A toothbrush comprises a head part (1); at least one carrier element (2) connected to the head part, top surface(s) of the carrier element defining a front surface (5) of the head part, and the carrier element having a rear surface; and cutouts (6) through which bristle filaments (3) are guided and, for fastening on the carrier element, are melted by their rear ends. The front surface has a non-planar three-dimensional configuration and is capable of assuming such a configuration during intended use. An independent claim is also included for a process for producing a toothbrush, comprising guiding the bristle filaments through the cutouts in the carrier element and connecting the bristle filaments to the carrier element by melting rear ends of the bristle filaments using a hot die; connecting the carrier element to the head part such that the front surface has a non-planar three dimensional configuration and is capable of assuming such a configuration during intended use.

Abstract (de)  
Die Erfindung betrifft eine im AFT-Verfahren hergestellte Zahnbürste mit einem Kopfteil und wenigstens einem damit verbundenen Trägerelement, bei der die durch die Oberflächen des wenigstens einen Trägerelements gebildete Frontfläche des Kopfteils eine von einer Ebene abweichende räumliche Gestalt hat und/oder eine solche beim bestimmungsgemässen Gebrauch einzunehmen imstande ist. Die Erfindung betrifft des weiteren ein Verfahren zur Herstellung einer solchen Zahnbürste.

IPC 8 full level  
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