

Title (en)  
TOOTHBRUSH HEAD AND METHOD FOR PRODUCING THE SAME

Title (de)  
ZAHNBÜRSTENKOPF SOWIE VERFAHREN ZU SEINER HERSTELLUNG

Title (fr)  
TETE DE BROUSSE A DENTS ET SON PROCEDE DE PRODUCTION

Publication  
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Application  
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Priority

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Abstract (en)  
[origin: WO2006133832A2] The invention relates to a toothbrush head comprising a plurality of substantially peduncular, elastic cleaning elements that are fastened on a cleaning element support, preferably combined to tufts, and project from the support. The invention also relates to a method for producing such a toothbrush head. The invention is characterized by not using conventional bristles or filaments as the cleaning elements, which bristles or filaments are always produced from individual plastic fibers which are shortened to the required length of the bristles and combined to tufts. The invention allows to replace the aforementioned bristles or filaments having nondirectional mechanical properties, i.e. properties that are identical in all directions at an angle to the longitudinal axis, with film strips as the cleaning elements, said strips being produced from a sheet of film by suitable methods of separation. The required mechanical, especially directional properties are conferred on the film strips by suitably choosing the starting film, especially in terms of its thickness and composition, and by suitably choosing the geometry thereof. The invention allows to confer on the film strips, in a simple manner, different mechanical properties such as flexural strength, elasticity, recovery, bending deflection in different directions at an angle to their longitudinal axis.

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