

Title (en)  
A TOOTHBRUSH

Title (de)  
ZAHNBÜRSTE

Title (fr)  
BROSSE A DENTS

Publication  
**EP 0932349 A4 20040908 (EN)**

Application  
**EP 97936159 A 19970801**

Priority  
• GB 9616326 A 19960802  
• US 9712855 W 19970801

Abstract (en)  
[origin: WO9805240A1] A toothbrush having a handle and, attached at one end thereof, a head (1), the head (1) having a handle end (4), a free end (2), and a bristle-bearing face (7) with a plurality of tufts (6) extending therefrom, the tufts (6) each having a base and a free end and comprising one or more bristles, wherein the tufts (6) are arranged in groups which are separated from each other by a transverse gap (8), the distance between the bases of the tufts (6) within a group being less than 1.3 mm, the distance between the bases of the tufts (6) between groups being in the range from 1.3 mm to 5 mm and wherein the distance between the free ends of the tufts between groups is preferably at least 0.5 mm. Preferably, each group is in the form of a crescent shaped array and tufts (6) are generally perpendicular to the toothbrush head (1). The arrangement allows for independent movement of bristle tufts (6), particularly whilst using the Bass or Rolling techniques for toothbrushing, yet maintains a high density of tufts (6) on the toothbrush head (1).

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IPC 8 full level  
**A46B 9/04** (2006.01)

CPC (source: EP)  
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Citation (search report)  
• [Y] US 2154352 A 19390411 - PETERSON HOWARD C  
• [Y] US 3188672 A 19650615 - GARY TIMOTHY F  
• [A] GB 471387 A 19370903 - ANGELO CHIAVARO  
• [A] FR 2232284 A1 19750103 - SARFATI DENIS [FR]  
• See references of WO 9805240A1

Designated contracting state (EPC)  
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**WO 9805240 A1 19980212**; AR 008803 A1 20000223; AT E483377 T1 20101015; CA 2262865 A1 19980212; CA 2262865 C 20030311; CN 1126485 C 20031105; CN 1229340 A 19990922; CO 4700378 A1 19981229; DE 69740017 D1 20101118; EP 0932349 A1 19990804; EP 0932349 A4 20040908; EP 0932349 B1 20101006; EP 2322054 A1 20110518; EP 2327329 A1 20110601; EP 2327330 A1 20110601; GB 9616326 D0 19960911; JP 3305329 B2 20020722; JP H11513924 A 19991130; PE 98098 A1 19981230

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