

Title (en)  
TOOTHBRUSH COMPRISING GUM-MASSAGING STICKS

Title (de)  
ZAHNBURSTE MIT STÄBE ZUR MASSAGE DES ZAHNFLEISCHES

Title (fr)  
BROSSE A DENTS COMPORTANT DES TIGES DE MASSAGE DES GENCIVES

Publication  
**EP 1051093 B1 20020911 (FR)**

Application  
**EP 99900978 A 19990121**

Priority  
• FR 9900121 W 19990121  
• FR 9800797 A 19980126

Abstract (en)  
[origin: US6311358B1] The toothbrush includes a head which is placed at a front longitudinal end of a handle and which is equipped, on an upper face, with a bunch of parallel filaments and a series of rods made from elastomer material which each extend substantially parallel to the filaments and which are placed substantially in two longitudinal rows with one row on each side of the bunch of filaments. Each row of rods includes tall rods which are arranged longitudinally substantially in the center of the row and the length of which is longer than the length of the adjacent filaments and short rods which are arranged at the ends of the row and the length of which is shorter than the length of the adjacent filaments.

IPC 1-7  
**A46B 9/06**

IPC 8 full level  
**A46B 9/04** (2006.01); **A46B 9/06** (2006.01); **A46D 1/00** (2006.01); **A61H 13/00** (2006.01)

IPC 8 main group level  
**A46B** (2006.01)

CPC (source: EP US)  
**A46B 9/06** (2013.01 - EP US)

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**US 6311358 B1 20011106**; AT E223668 T1 20020915; AU 2061499 A 19990809; BR 9907247 A 20001031; CA 2315368 A1 19990729; CA 2315368 C 20060905; CZ 20002617 A3 20010314; CZ 296913 B6 20060712; DE 69902881 D1 20021017; DE 69902881 T2 20030515; DK 1051093 T3 20030113; EP 1051093 A1 20001115; EP 1051093 B1 20020911; ES 2183502 T3 20030316; FR 2773962 A1 19990730; FR 2773962 B1 20000303; HU 223831 B1 20050228; HU P0101301 A2 20010828; HU P0101301 A3 20020128; JP 2002500903 A 20020115; JP 4259756 B2 20090430; MY 123014 A 20060531; NO 20003098 D0 20000615; NO 20003098 L 20000920; NO 325211 B1 20080225; PL 190202 B1 20051130; PL 341936 A1 20010507; PT 1051093 E 20021231; RU 2197161 C2 20030127; SA 99191306 B1 20060703; SI 1051093 T1 20021231; SK 10882000 A3 20010409; SK 285385 B6 20061207; TW 374702 B 19991121; WO 9937181 A1 19990729

DOCDB simple family (application)  
**US 60103900 A 20000726**; AT 99900978 T 19990121; AU 2061499 A 19990121; BR 9907247 A 19990121; CA 2315368 A 19990121; CZ 20002617 A 19990121; DE 69902881 T 19990121; DK 99900978 T 19990121; EP 99900978 A 19990121; ES 99900978 T 19990121; FR 9800797 A 19980126; FR 9900121 W 19990121; HU P0101301 A 19990121; JP 2000528185 A 19990121; MY PI9900196 A 19990118; NO 20003098 A 20000615; PL 34193699 A 19990121; PT 99900978 T 19990121; RU 2000122433 A 19990121; SA 99191306 A 19990414; SI 9930107 T 19990121; SK 10882000 A 19990121; TW 88101060 A 19990125