

Title (en)
TOOTHBRUSH HAVING CONTROLLED HEAD MOVEMENT

Title (de)
ZAHNBÜRSTE MIT GESTEUERTER KOPFBEWEGUNG

Title (fr)
BROSSE A DENTS A MOUVEMENT DE LA TETE COMMANDE

Publication
EP 1176888 B1 20040623 (EN)

Application
EP 00928439 A 20000427

Priority

- US 0011260 W 20000427
- US 30213899 A 19990429
- US 47351299 A 19991228

Abstract (en)
[origin: WO0065953A1] The present invention relates to a toothbrush (12) having a handle (18) formed of interlocking opposed S-curved sections, the first (26) being relatively rigid and the second (28) relatively resiliently flexible, the opposed S-curved sections forming a generally elongated figure 8, having a transverse aperture (30, 32) within each segment of the figure 8, such that during brushing the user can manipulate the relatively rigid and resiliently flexible section to position the bristle bearing face (13) of the toothbrush to conform to the arcuate configuration of the dentiture.

IPC 1-7
A46B 5/00

IPC 8 full level
A46B 5/00 (2006.01); **A46B 5/02** (2006.01); **A46B 9/04** (2006.01)

CPC (source: EP US)
A46B 5/0054 (2013.01 - EP); **A46B 5/0066** (2013.01 - EP); **A46B 5/02** (2013.01 - EP); **A46B 15/0097** (2013.01 - EP US);
A46B 2200/1066 (2013.01 - EP)

Citation (examination)

- EP 0339350 A1 19891102 - BLENDAX WERKE SCHNEIDER CO [DE]
- EP 0454625 A1 19911030 - WARNER LAMBERT CO [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)
WO 0065953 A1 20001109; AT E269648 T1 20040715; AU 4668000 A 20001117; AU 767687 B2 20031120; BG 106147 A 20020628; BR 0010164 A 20020115; BR 0010164 B1 20090113; CA 2371562 A1 20001109; CA 2371562 C 20060829; CN 1174700 C 20041110; CN 1358070 A 20020710; CZ 20013890 A3 20020612; CZ 295811 B6 20051116; DE 60011766 D1 20040729; DE 60011766 T2 20050714; EG 22504 A 20030331; EP 1176888 A1 20020206; EP 1176888 B1 20040623; ES 2223515 T3 20050301; HK 1044878 A1 20021108; HK 1044878 B 20050304; HU 225564 B1 20070328; HU P0200927 A2 20020729; IL 146163 A0 20020725; MX PA01011022 A 20020506; NO 20015252 D0 20011026; NO 20015252 L 20011227; NZ 515171 A 20031128; PL 195068 B1 20070831; PL 351078 A1 20030310; SK 15552001 A3 20020404; SK 284399 B6 20050304; TR 200103850 T2 20020521; TW 584548 B 20040421; UA 71961 C2 20050117; UY 26128 A1 20001229; YU 49467 B 20060525; YU 77501 A 20030228

DOCDB simple family (application)
US 0011260 W 20000427; AT 00928439 T 20000427; AU 4668000 A 20000427; BG 10614701 A 20011126; BR 0010164 A 20000427; CA 2371562 A 20000427; CN 00809610 A 20000427; CZ 20013890 A 20000427; DE 60011766 T 20000427; EG 20000550 A 20000429; EP 00928439 A 20000427; ES 00928439 T 20000427; HK 02105754 A 20020806; HU P0200927 A 20000427; IL 14616300 A 20000427; MX PA01011022 A 20000427; NO 20015252 A 20011026; NZ 51517100 A 20000427; PL 35107800 A 20000427; SK 15552001 A 20000427; TR 200103850 T 20000427; TW 89108063 A 20000706; UA 2001118147 A 20000427; UY 26128 A 20000427; YU P77501 A 20000427