Title (en)

Toothbrush spontaneously taking up stable equilibrium position on a horizontal support

Title (de)

Zahnbürste die spontan eine stabile Gleichgewichtslage auf einer horizontalen Ebene einnimmt

Title (fr)

Brosse à dents prenant spontanément une position d'équilibre stable sur un support horizontal

Publication

EP 1483982 A1 20041208 (FR)

Application

EP 04019909 A 20000216

Priority

- EP 00905150 A 20000216
- FR 9901988 A 19990218

Abstract (en)

The toothbrush, made from a hard but lightweight plastic, consists of a head (6) with bristles (9) and a handle (17). Between the head and handle it has a circular collar (16), perpendicular or inclined relative to the lengthwise axis of the brush, and the handle has at least one flat surface (18), so that when the brush is laid on a horizontal support the bristles are raised above the surface of the support.

IPC 1-7

A46B 5/00

IPC 8 full level

A46B 5/00 (2006.01)

CPC (source: EP US)

A46B 5/00 (2013.01 - EP US); **A46B 15/0097** (2013.01 - EP US); A46B 2200/1066 (2013.01 - EP US); Y10S 248/91 (2013.01 - EP US)

Citation (search report)

- [Y] WO 9844823 A2 19981015 - GILLETTE CANADA [CA]
- [Y] CH 180027 A 19351015 - BILLETER ERNST [CH]
- [A] PATENT ABSTRACTS OF JAPAN vol. 018, no. 351 (C - 1220) 4 July 1994 (1994-07-04)

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 7007335 B1 20060307; AT E293906 T1 20050515; AU 2678300 A 20000904; CA 2362169 A1 20000824; CA 2362169 C 20080122; DE 60019729 D1 20050602; DE 60019729 T2 20060119; EP 1152671 A1 20011114; EP 1152671 B1 20050427; EP 1483982 A1 20041208; ES 2241578 T3 20051101; FR 2789858 A1 20000825; FR 2789858 B1 20010608; WO 0048483 A1 20000824

DOCDB simple family (application)

US 91335001 A 20010813; AT 00905150 T 20000216; AU 2678300 A 20000216; CA 2362169 A 20000216; DE 60019729 T 20000216; EP 00905150 A 20000216; EP 04019909 A 20000216; ES 00905150 T 20000216; FR 0000384 W 20000216; FR 9901988 A 19990218