

Title (en)

WHOLESOME TOOTHBRUSH WITH SPREADING BRUSH PART FOR SANITARY PURPOSE

Title (de)

GESUNDE ZAHNBÜRSTE MIT SPREIZBÜRSTENTEIL FÜR HYGIENISCHE ZWECKE

Title (fr)

BROSSE A DENTS HYGIENIQUE AVEC PARTIE DE BROSSE DEPLOYABLE FACILITANT LE NETTOYAGE

Publication

EP 1469757 A1 20041027 (EN)

Application

EP 03734914 A 20030125

Priority

- KR 0300167 W 20030125
- KR 20020002615 U 20020128

Abstract (en)

[origin: WO03063645A1] The invention relates to the wholesome toothbrush where the brush part can be spread out by partial improvement on the brush structure previously patented with Korea Utility Model Patent No. 2000-8396 by present inventor in order to facilitate brush washing and drying by spreading plies out after using the tooth brush in the ply status of shrunken and concentrated. In accordance with the invention, this wholesome toothbrush is featured providing the brush piece mounted on front-end of the brush part with protruded part slanted upward on the top surface and the first and second mounting grooves formed systematically for having the mounting protrusion snapped therein on inner front wall of the guide sphere.

IPC 1-7

A46B 9/08; **A46B 7/06**

IPC 8 full level

A46B 5/00 (2006.01); **A46B 7/02** (2006.01); **A46B 7/06** (2006.01); **A46B 9/04** (2006.01); **A46B 9/10** (2006.01)

CPC (source: EP KR US)

A46B 5/0025 (2013.01 - EP US); **A46B 7/06** (2013.01 - EP US); **A46B 9/026** (2013.01 - EP US); **A46B 9/08** (2013.01 - KR); **A46B 9/10** (2013.01 - EP US); **A46B 5/0075** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT SE SI SK TR

DOCDB simple family (publication)

WO 03063645 A1 20030807; CA 2473594 A1 20030807; CN 1313042 C 20070502; CN 1625356 A 20050608; EP 1469757 A1 20041027; EP 1469757 A4 20050914; JP 2005515814 A 20050602; KR 200274251 Y1 20020506; MX PA04007305 A 20041029; US 2004250366 A1 20041216

DOCDB simple family (application)

KR 0300167 W 20030125; CA 2473594 A 20030125; CN 03802870 A 20030125; EP 03734914 A 20030125; JP 2003563350 A 20030125; KR 20020002615 U 20020128; MX PA04007305 A 20030125; US 50190404 A 20040816