

Title (en)
TOOTHBRUSH AND TOOTHBRUSH HEAD FOR SAID TOOTHBRUSH

Title (de)
ZAHNBÜRSTE SOWIE ZAHNBÜRSTENKOPF HIERFÜR

Title (fr)
BROSSE À DENTS ET TÊTE DE BROSSE À DENTS POUR CELLE-CI

Publication
EP 1993398 A1 20081126 (DE)

Application
EP 06829759 A 20061220

Priority
• EP 2006012278 W 20061220
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Abstract (en)
[origin: US2008209649A1] A toothbrush and toothbrush head with a bristle carrier, on which a bristle section featuring a multitude of filaments is arranged. At least one filament is provided with a taper on its free end with a shape other than a rotationally symmetrical shape to preserve a high flexural strength of the filament in one direction. The taper is a flat-pressed scarfing such that the filament has a greater flexural strength with respect to a first lateral axis than with respect to a second lateral axis perpendicular to the first lateral axis in the region of the taper. The flat-pressed scarfing at the point of the filament improves penetration into the interdental spaces, while the higher geometrical moment of inertia of the wide side reduces the bending of the filament during use.

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

CPC (source: EP KR US)
A46B 9/04 (2013.01 - KR); **A46D 1/00** (2013.01 - EP US); **A46D 1/0276** (2013.01 - EP US); **A46D 1/04** (2013.01 - KR); **A46D 1/05** (2013.01 - KR); **A46B 2200/1066** (2013.01 - EP US)

Citation (search report)
See references of WO 2007104351A1

Designated contracting state (EPC)
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DOCDB simple family (publication)
US 2008209649 A1 20080904; AT E535170 T1 20111215; AU 2006339876 A1 20070920; CA 2608763 A1 20070920; CN 101175424 A 20080507; CN 101175424 B 20110216; DE 102006012003 A1 20070920; EP 1993398 A1 20081126; EP 1993398 B1 20111130; HK 1116639 A1 20090102; JP 2009529389 A 20090820; JP 5269617 B2 20130821; KR 20080109587 A 20081217; MX 2007012889 A 20071210; WO 2007104351 A1 20070920

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