

Title (en)
TOOTHBRUSH AND METHOD FOR PRODUCING THE SAME

Title (de)
ZAHNBÜRSTE UND VERFAHREN ZU DEREN HERSTELLUNG

Title (fr)
BROSSE A DENT ET SON PROCEDE DE PRODUCTION

Publication
EP 1571945 B1 20190724 (DE)

Application
EP 03788924 A 20030926

Priority
• DE 10259723 A 20021219
• EP 0310748 W 20030926

Abstract (en)
[origin: US2004117934A1] The invention relates to a toothbrush which is produced by AFT and has a head part and at least one carrier element connected thereto, in the case of which the front surface of the head part, said front surface being formed by the top surfaces of the at least one carrier element, has a non-planar three-dimensional configuration and/or is capable of assuming such a configuration during intended use. The invention also relates to a process for producing such a toothbrush.

IPC 8 full level
A46D 3/04 (2006.01); **A46B 3/06** (2006.01); **A46B 9/04** (2006.01)

CPC (source: EP KR US)
A46B 3/04 (2013.01 - KR); **A46B 3/06** (2013.01 - EP KR US); **A46B 5/0029** (2013.01 - EP US); **A46B 9/026** (2013.01 - EP US); **A46B 9/04** (2013.01 - KR US); **A46B 15/0032** (2013.01 - EP US); **A46B 17/08** (2013.01 - US); **A46D 3/045** (2013.01 - EP US); **A46B 3/20** (2013.01 - EP US); **A46B 7/06** (2013.01 - EP US); **A46B 15/0002** (2013.01 - EP US); **A46B 2200/1066** (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 RO SE SI SK TR

DOCDB simple family (publication)
US 2004117934 A1 20040624; US 6988777 B2 20060124; AU 2003293588 A1 20040714; AU 2003293588 B2 20101209; AU 2011200832 A1 20110317; AU 2011200832 B2 20120223; BR 0317399 A 20051116; CA 2503778 A1 20040708; CA 2503778 C 20120717; CA 2503778 E 20040708; CN 100475088 C 20090408; CN 101332012 A 20081231; CN 101332012 B 20150114; CN 1713838 A 20051228; DE 10259723 A1 20040701; EP 1571945 A1 20050914; EP 1571945 B1 20190724; EP 2292118 A1 20110309; EP 2292118 B1 20170503; EP 2298126 A1 20110323; EP 2298126 B1 20171004; HK 1082393 A1 20060609; KR 101052370 B1 20110728; KR 20050084431 A 20050826; MX PA05005332 A 20050816; RU 2005122642 A 20060610; RU 2008114903 A 20091027; RU 2334445 C2 20080927; RU 2502454 C2 20131227; US 10405642 B2 20190910; US 2006080795 A1 20060420; US 2007094824 A1 20070503; US 2009193604 A1 20090806; US 2011010881 A1 20110120; US 2011258797 A1 20111027; US 2013180069 A1 20130718; US 2014075696 A1 20140320; US 2016088925 A1 20160331; US 7162767 B2 20070116; US 7549187 B2 20090623; US 7774891 B2 20100817; US 7992247 B2 20110809; US 8418306 B2 20130416; US 8613123 B2 20131224; US 9232852 B2 20160112; WO 2004056235 A1 20040708

DOCDB simple family (application)
US 38874403 A 20030317; AU 2003293588 A 20030926; AU 2011200832 A 20110225; BR 0317399 A 20030926; CA 2503778 A 20030926; CN 03825652 A 20030926; CN 200810099213 A 20030926; DE 10259723 A 20021219; EP 0310748 W 20030926; EP 03788924 A 20030926; EP 10011068 A 20030926; EP 10012002 A 20030926; HK 06102817 A 20060303; KR 20057011487 A 20030926; MX PA05005332 A 20030926; RU 2005122642 A 20030926; RU 2008114903 A 20080416; US 201113067844 A 20110629; US 201313765151 A 20130212; US 201314083896 A 20131119; US 201514962542 A 20151208; US 29191105 A 20051202; US 37999209 A 20090305; US 64566406 A 20061227; US 80506410 A 20100709