

Title (en)
TOOTHBRUSH

Title (de)
ZAHNBÜRSTE

Title (fr)
BROSSE A DENTS

Publication
EP 0848593 A1 19980624 (DE)

Application
EP 96929259 A 19960815

Priority
• DE 19533144 A 19950908
• EP 9603598 W 19960815

Abstract (en)
[origin: DE19533144A1] A toothbrush consists of a brush body made of plastic with a head, a neck and a handle as well as bunches of bristles, the free ends of the bristles of at least some of the bunches forming an enveloping surface with a cone angle alpha of 30 DEG to 90 DEG and the neck of the brush body resiliently yielding at a force K of 500 to 1200 g contact pressure on the bristles, the cone angle alpha and the contact pressure force K being approximately inversely proportional.

IPC 1-7
A46B 5/00; **A46B 9/04**

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

CPC (source: EP US)
A46B 5/0062 (2013.01 - EP US); **A46B 5/007** (2013.01 - EP US); **A46B 9/04** (2013.01 - EP US); **A46B 2200/1066** (2013.01 - EP US); **Y10S 15/05** (2013.01 - US)

Cited by
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Designated contracting state (EPC)
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DOCDB simple family (publication)
US 6108849 A 20000829; AR 003512 A1 19980805; AT E186451 T1 19991115; BR 9610358 A 19990706; CA 2230543 A1 19970313; CN 1105528 C 20030416; CN 1195971 A 19981014; DE 19533144 A1 19970313; DE 19533144 C2 19990916; DE 59603639 D1 19991216; EP 0848593 A1 19980624; EP 0848593 B1 19991110; ES 2140124 T3 20000216; GR 3032570 T3 20000531; IN 189226 B 20030201; JP H11512005 A 19991019; NO 319235 B1 20050704; NO 981001 D0 19980306; NO 981001 L 19980508; PT 848593 E 20000428; WO 9708973 A1 19970313

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US 2974698 A 19980302; AR 10424796 A 19960905; AT 96929259 T 19960815; BR 9610358 A 19960815; CA 2230543 A 19960815; CN 96196828 A 19960815; DE 19533144 A 19950908; DE 59603639 T 19960815; EP 9603598 W 19960815; EP 96929259 A 19960815; ES 96929259 T 19960815; GR 20000400264 T 20000203; IN 1484CA1996 A 19960820; JP 51080697 A 19960815; NO 981001 A 19980306; PT 96929259 T 19960815