

Title (en)
Toothbrush

Title (de)
Zahnbürste

Title (fr)
Brosse à dents

Publication
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Application
EP 91113431 A 19910809

Priority
• JP 8561690 U 19900813
• JP 40490090 U 19901226

Abstract (en)
[origin: EP0471312A2] A toothbrush has a grip portion (1), and a head portion (2) integrally connected with the grip portion (1) through a neck portion (4) and having bristles implanted therein (3). The neck portion (4) is bent or curved toward the bristles side relative to the grip portion (1). The head portion (2) is further bent or curved toward the bristles side relative to the neck portion (4). In a further embodiment the heights of bristles (15a) implanted in a distal area (12a) of the head portion (2) are set shorter than those in the remaining area. The average position of the tips of each tuft (15, 16) are even across the whole head portion (2). The lengths of bristles within any one tuft (15, 16) may also be varied. The tips of the bristles may also be rounded. <IMAGE>

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IPC 8 full level
A46B 5/02 (2006.01); **A46B 9/04** (2006.01)

CPC (source: EP)
A46B 5/02 (2013.01); **A46B 9/045** (2013.01); **A46B 2200/1066** (2013.01)

Cited by
EP1661486A3; US5926897A; CN103239010A; EP2298126A1; EP1649776A3; AU700294B2; US5926898A; US5628082A; DE19507364A1; EP1240848A3; US6178583B1; US10405642B2; WO9616571A1; WO9628994A1; WO9625866A1; WO2004056235A1; US7814606B2; US7979947B2; US11219303B2; WO2005006915A1; WO2006043114A3; US7174596B2; US7354112B2; US7445295B2; US7458647B2; US7988238B2; USRE42985E; USRE44346E; USRE47468E; US7520571B2

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