

Title (en)
A toothbrush

Title (de)
Zahnbürste

Title (fr)
Brosse à dents

Publication
EP 2322054 A1 20110518 (EN)

Application
EP 10012743 A 19970801

Priority
• EP 97936159 A 19970801
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Abstract (en)
A toothbrush having a handle and, attached at one end thereof, a head (1), the head (1) having a handle end (4), a free end (2), and a bristle-bearing face (7) with a plurality of tufts (6) extending therefrom, the tufts (6) each having a base and a free end and comprising one or more bristles, wherein the tufts (6) are arranged in groups which are separated from each other by a transverse gap (8), the distance between the bases of the tufts (6) within a group being less than 1,3 mm, the distance between the bases of the tufts (6) between groups being in the range from 1,3 mm to 5 mm and wherein the distance between the free ends of the tufts between groups is preferably at least 0,5 mm. Preferably, each group is in the form of a crescent shaped array and tufts (6) are generally perpendicular to the toothbrush head (1). The arrangement allows for independent movement of bristle tufts (6), particularly whilst using the Bass or Rolling techniques for toothbrushing, yet maintains a high density of tufts (6) on the toothbrush head (1).

IPC 8 full level
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CPC (source: EP)
A46B 5/0025 (2013.01); **A46B 9/045** (2013.01)

Citation (applicant)
• WO 9119437 A1 19911226 - PROCTER & GAMBLE [US]
• EP 0449653 A1 19911002 - COLGATE PALMOLIVE CO [US]
• EP 0449655 A1 19911002 - COLGATE PALMOLIVE CO [US]
• WO 9601578 A1 19960125 - UNILEVER PLC [GB], et al
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• WO 9119438 A1 19911226 - HUMPHRIES VICTOR A [AU]
• WO 9602165 A1 19960201 - PROCTER & GAMBLE [US], et al
• WO 9409677 A1 19940511 - GILLETTE CANADA [CA], et al
• EP 0704179 A1 19960403 - FUCHS GMBH [DE]
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Citation (search report)
• [X] WO 9119437 A1 19911226 - PROCTER & GAMBLE [US]
• [X] US 5242235 A 19930907 - LI JIANXING [US]
• [X] US 3188672 A 19650615 - GARY TIMOTHY F
• [X] GB 753862 A 19560801 - LOUIS RICHARD BRESSLER
• [X] US 5465450 A 19951114 - HUMPHRIES VICTOR A [AU]
• [X] WO 9602165 A1 19960201 - PROCTER & GAMBLE [US], et al

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