

Title (en)

Toothbrush with non-circular cross section filaments.

Title (de)

Zahnbürste mit nicht kreisförmigem Borstenquerschnitt.

Title (fr)

Brosse à dents avec poils à section non circulaire.

Publication

EP 0663162 A1 19950719 (EN)

Application

EP 94300314 A 19940117

Priority

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Abstract (en)

The invention concerns a toothbrush having a handle and a brush head wherein the brush head comprises non-circular cross-section filaments. The filaments have a trilocular, tetralocular, trilobular, rectangular or hexagonal cross-section. These toothbrushes offer a much better cleaning efficiency c.q. better plaque removal from the tooth surface. <IMAGE>

IPC 1-7

A46D 1/00

IPC 8 full level

A46D 1/00 (2006.01)

CPC (source: EP)

A46D 1/00 (2013.01); **A46D 1/0238** (2013.01)

Citation (search report)

- [XY] US 2876477 A 19590310 - STEWART GEORGE G
- [Y] US 4852202 A 19890801 - LEDWITZ KENENTH W [US]
- [A] US 3238553 A 19660308 - BAILEY EVERETT C, et al
- [A] US 3233944 A 19660208 - GILBERT SHAW
- [A] US 3239865 A 19660315 - MUNT PLUMMER C

Cited by

US2016242536A1; US5770307A; DE19829611A1; US5836769A; US6086373A; US6138314A; GB2325401A; US5991957A; GB2325401B; CN107249383A; JP2018505000A; US10219611B2; US11219302B2; US8631534B2; WO9714830A1; WO2012096700A1; WO9826117A1; EP2918191A1; AU2015229513B2; WO0001276A1; WO9806299A1; WO2015138572A1; US9538836B2; US10588397B2; US11160359B2; US10856646B2; US11425991B2; EP0894454A1; US11206916B2; US11284707B2; US9445660B2; US10251470B1; US10849416B2; US11259623B2

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