

Title (en)

Toothbrush with improved interproximal and free gingival margin accessibility.

Title (de)

Zahnbürste mit einer verbesserten Erreichbarkeit des Bereiches zwischen den Zähnen und des zahnfleischfreien Randes.

Title (fr)

Brosse à dents facilitant l'accessibilité aux espaces interdentaires et aux bords des dents limitrophes des gencives.

Publication

**EP 0042459 A1 19811230 (EN)**

Application

**EP 80302076 A 19800619**

Priority

EP 80302076 A 19800619

Abstract (en)

A toothbrush has a bristle bearing head (11; 31; 41) terminating the supporting stem (15) thereof which extends from a handle (20). The head (11; 31; 41) is disposed with its major axis (x-x) at right angles to the length of the stem (15) providing lateral extensions having bristles arranged for interproximal and free gingival margin engagement of both the maxillary and mandibular teeth. The supporting stem (15) has a portion adjacent the head (11; 31; 41) offset from a handle connecting end, the latter having a snap-in bearing connection (18, 21) with the handle (20) providing easy separation and assembly and relative rotation of the handle (20) with respect to the stem (15) and head (11; 31; 41).

IPC 1-7

**A46B 9/04**; **A46B 7/04**; **A46B 5/02**; **A46B 15/00**

IPC 8 full level

**A46B 5/00** (2006.01); **A46B 5/02** (2006.01); **A46B 9/04** (2006.01); **A46B 15/00** (2006.01)

CPC (source: EP)

**A46B 5/0095** (2013.01); **A46B 5/02** (2013.01); **A46B 9/04** (2013.01); **A46B 15/00** (2013.01); **A46B 2200/1066** (2013.01)

Citation (search report)

- GB 412414 A 19340628 - WILLIAM VACHOUX
- US 3890986 A 19750624 - GERLICH IRVIN V
- GB 484331 A 19380504 - DERMOT PATTERSON BOYLE
- FR 715589 A 19311205
- FR 557261 A 19230806
- FR 443435 A 19120924 - BERNARD MENDELOVICI DEL VINCI [FR]
- US 1439279 A 19221219 - WARD HOWARD R
- DE 81724 C
- FR 940878 A 19481227
- US 3010131 A 19611128 - CHRISTIAN KISKY
- US 1647453 A 19271101 - KRANTZ PHILIP M
- FR 458512 A 19131013 - MARCEL DARCISSAC [FR]
- FR 1075171 A 19541013

Cited by

EP0130252A1; GB2320181A; FR2716781A1; WO9704685A1

Designated contracting state (EPC)

BE CH DE FR GB IT NL

DOCDB simple family (publication)

**EP 0042459 A1 19811230**; **EP 0042459 B1 19841128**; DE 3069695 D1 19850110

DOCDB simple family (application)

**EP 80302076 A 19800619**; DE 3069695 T 19800619