

Title (en)

Toothbrushes for cleaning sulcular areas of the teeth.

Title (de)

Zahnbürste zum Reinigen der Zahnbettgebiete der Zähne.

Title (fr)

Brosse à dents pour le nettoyage des surfaces proches du sillon gingival des dents.

Publication

**EP 0123559 A1 19841031 (EN)**

Application

**EP 84302792 A 19840425**

Priority

US 48862783 A 19830425

Abstract (en)

A toothbrush arrangement is provided specifically for cleaning sulcular areas of the teeth below the gum line. The brush head is curved and has bristles extending from opposite sides thereof, facilitating an improved access to the teeth, particularly at the gingival margins. In one embodiment, the bristles are arranged in rows which may be canted inward along the curve, with tufts on opposite sides of the curved brushing head providing access to oppositely curved dental profiles. In a second embodiment, the bristles are arranged in a single row on a miniaturized brush head. The miniaturized arrangement is particularly suited for cleaning of the sulcular areas, both at and below the gum lines in the treatment of periodontal disease and for general oral hygiene.

IPC 1-7

**A46B 9/04**; **A46B 5/02**

IPC 8 full level

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

CPC (source: EP KR)

**A46B 5/02** (2013.01 - EP); **A46B 9/04** (2013.01 - KR); **A46B 9/045** (2013.01 - EP); **A46B 2200/1066** (2013.01 - EP)

Citation (search report)

- [Y] BE 640683 A
- [Y] DE 3049563 A1 19820729 - LAJOS BELA
- [Y] DE 2130594 A1 19721228 - STAAS LEONARD
- [Y] FR 1238531 A 19600812
- [A] US 1409830 A 19220314 - GEORGE CHICKEN
- [A] US 2244615 A 19410603 - LOUIS GARCIN
- [A] US 4115894 A 19780926 - PETERSON VACHAREE S
- [A] GB 831312 A 19600330 - ERMETE PIERMARI
- [A] US 2094240 A 19370928 - LESLIE HERRICK GEORGE, et al
- [A] FR 656139 A 19290427
- [A] DE 2512256 A1 19760930 - ZEDELMAIER HELMUT M DR MED DEN
- [A] US 3720975 A 19730320 - NELSON S

Cited by

GB2388528A; EP0475314A1; EP3097820A1; EP0285121A3; WO0180686A3; WO0117433A1; WO2016139661A1

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

**EP 0123559 A1 19841031**; JP S6012009 A 19850122; KR 840008272 A 19841214; KR 860000481 B1 19860430

DOCDB simple family (application)

**EP 84302792 A 19840425**; JP 8508284 A 19840425; KR 840002305 A 19840425