

Title (en)

TOOTHBRUSH WITH BRISTLE-MOUNTING SYSTEM FOR RETARDING BRISTLE STRAIN

Title (de)

ZAHNBÜRSTE MIT BORSTENMONTAGESYSTEM ZUR VERZÖGERUNG DER BORSTENBEANSPRUCHUNG

Title (fr)

BROSSE À DENTS DOTÉE D'UN SYSTÈME DE MONTAGE DE POILS POUR RETARDER LA DÉFORMATION DES POILS

Publication

**EP 3934479 A4 20221005 (EN)**

Application

**EP 19918230 A 20190306**

Priority

US 2019020890 W 20190306

Abstract (en)

[origin: WO2020180308A1] A toothbrush includes an elongate body having a handle and a head formed with bristle assemblies each including elastic upper and lower boots on either side of an intermediate layer, an elastic collar extends through the intermediate layer from the lower boot to the upper boot a tuft of bristles bound by a coupling, the tuft of bristles extends from the coupling in the lower boot through the collar and through the upper boot and therebeyond to a brushing extremity, the upper boot provides lateral elastic compliance between the upper boot and the tuft of bristles through the upper boot, the lower boot provides lateral elastic compliance between the lower boot and the coupling in the lower boot, and the intermediate layer pinches the collar against the tuft of bristles through the collar elastically retaining the tuft of bristles through the elastic collar to the elastic collar.

IPC 8 full level

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CPC (source: EP GB)

**A46B 3/04** (2013.01 - EP GB); **A46B 3/20** (2013.01 - EP GB); **A46B 9/00** (2013.01 - GB); **A46B 9/04** (2013.01 - EP); **A46B 2200/1066** (2013.01 - EP GB)

Citation (search report)

- [Y] WO 9714330 A1 19970424 - CORONET WERKE GMBH [DE], et al
- [Y] WO 2004082428 A2 20040930 - GILLETTE CO [US], et al
- [Y] WO 9720484 A1 19970612 - UNILEVER PLC [GB], et al
- See references of WO 2020180308A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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