

Title (en)
A TOOTHBRUSH

Title (de)
ZAHNBÜRSTE

Title (fr)
BROSSE À DENTS

Publication
EP 3501332 A1 20190626 (EN)

Application
EP 17209802 A 20171221

Priority
EP 17209802 A 20171221

Abstract (en)
This invention provides a toothbrush closely fitted to the teeth, comprising: a toothbrush main body, a bristle tuft hole is provided on a head of the toothbrush main body; a bristle tuft assembly, movably arranged in the bristle tuft hole; a spring assembly, the bristle tuft assembly is connected with the toothbrush main body through the spring assembly. This toothbrush skillfully is configured with spring assemblies, based upon the contact between the elastic body and the bristle tuft assembly, to realize the flexible movement and elastic body force driving of the bristle tuft, making every bristle tuft independently move upward and downward according to the surface and structure of teeth, achieving the benefit of effective cleaning, durable usage, simple structure and low manufacturing costs.

IPC 8 full level
A46B 3/16 (2006.01); **A46B 7/04** (2006.01); **A46B 7/06** (2006.01); **A46B 9/04** (2006.01)

CPC (source: EP)
A46B 3/16 (2013.01); **A46B 7/044** (2013.01); **A46B 7/06** (2013.01); **A46B 9/04** (2013.01)

Citation (search report)

- [XA] JP 3212964 U 20171012
- [XA] US 5318352 A 19940607 - HOLLAND NETTA [IL]
- [XA] JP H0593253 U 19931221
- [XA] US 2935755 A 19600510 - RAMON LEIRA ALBERTO, et al
- [XA] WO 9208390 A2 19920529 - PAZ OHAD [IL], et al

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3501332 A1 20190626

DOCDB simple family (application)
EP 17209802 A 20171221