

Title (en)  
TOOTHBRUSH

Title (de)  
ZAHNBÜRSTE

Title (fr)  
BROSSE A DENTS

Publication  
**EP 1171014 A1 20020116 (EN)**

Application  
**EP 00911273 A 20000322**

Priority  

- JP 0001737 W 20000322
- JP 11482499 A 19990422
- JP 11482599 A 19990422
- JP 11482699 A 19990422
- JP 11482799 A 19990422

Abstract (en)  
[origin: WO0064307A1] The invention relates to a toothbrush comprising rubber-like bar bristles set with an inclination toward the outside; a toothbrush comprising rubber-like bar bristles set alternately with bristle bundles in an upright position with their tips projected from the tips of the bristle bundles; a toothbrush comprising rubber-like bar bristles each having a cross-sectional shape that its face is wider at the peripheral side of a handle head than at the central side thereof; a toothbrush comprising a mixed bristle part composed of rubber-like bar bristles and soft bristle bundles, said mixed part being formed in a peripheral portion on the bristle-setting surface, and hard bristle bundles set in the central portion; and a toothbrush comprising rubber-like bar bristles set with the bases thereof connected to each other only on the side of the back surface of a handle head. According to the toothbrushes of the invention, a high massaging effect on gums, particularly, peripheries and papillae thereof is achieved, to say nothing of removal of sordes on teeth.

IPC 1-7  
**A46B 9/06; A46B 15/00**

IPC 8 full level  
**A46B 9/06** (2006.01); **A46B 15/00** (2006.01)

CPC (source: EP)  
**A46B 9/06** (2013.01); **A46B 15/00** (2013.01)

Citation (search report)  
See references of WO 0064307A1

Cited by  
CN105686324A

Designated contracting state (EPC)  
DE FR GB

DOCDB simple family (publication)  
**WO 0064307 A1 20001102**; CN 1347290 A 20020501; EP 1171014 A1 20020116

DOCDB simple family (application)  
**JP 0001737 W 20000322**; CN 00806467 A 20000322; EP 00911273 A 20000322