

Title (en)  
LOW FRICTION TOOTHBRUSH

Title (de)  
REIBUNGSARME ZAHNBÜRSTE

Title (fr)  
BROSSE A DENTS A FAIBLE FROTTEMENT

Publication  
**EP 1322199 B1 20050817 (EN)**

Application  
**EP 01977323 A 20010928**

Priority  
• US 0130688 W 20010928  
• US 23730200 P 20001002  
• US 92649301 A 20010925

Abstract (en)  
[origin: WO0228222A1] A brush for use in cleaning teeth, and a method for cleaning teeth using such brush, in which bristles are used in the brush that are prepared from a composition containing a thermoplastic polymeric resin in admixture with a slip agent.

IPC 1-7  
**A46D 1/00**; C08L 77/00

IPC 8 full level  
**A46B 9/04** (2006.01); **A46B 9/06** (2006.01); **A46D 1/00** (2006.01); **A61C 17/00** (2006.01); **D01F 6/90** (2006.01)

CPC (source: EP KR)  
**A46B 9/04** (2013.01 - EP); **A46B 9/06** (2013.01 - EP); **A46D 1/00** (2013.01 - EP KR); **A46B 2200/1066** (2013.01 - EP);  
**A46B 2200/108** (2013.01 - EP)

Cited by  
EP3169185B1

Designated contracting state (EPC)  
DE FR GB IT NL

DOCDB simple family (publication)  
**WO 0228222 A1 20020411**; CA 2423081 A1 20020411; CA 2423081 C 20091215; CN 1251631 C 20060419; CN 1468072 A 20040114;  
DE 60112774 D1 20050922; DE 60112774 T2 20060608; EP 1322199 A1 20030702; EP 1322199 B1 20050817; JP 2004515268 A 20040527;  
JP 4842499 B2 20111221; KR 100840437 B1 20080620; KR 20030040512 A 20030522

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**US 0130688 W 20010928**; CA 2423081 A 20010928; CN 01816728 A 20010928; DE 60112774 T 20010928; EP 01977323 A 20010928;  
JP 2002531857 A 20010928; KR 20037004630 A 20030401