

Title (en)
Toothbrush with toothbrushhandle and toothpastereservoir

Title (de)
Zahnbürste mit Zahnbürstenkörper und Zahnpastabehälter

Title (fr)
Brosse à dents avec un manche et un reservoir dentifrice

Publication
EP 1506726 B1 20070418 (DE)

Application
EP 04017801 A 20040728

Priority
DE 10337062 A 20030812

Abstract (en)
[origin: EP1506726A1] The toothbrush has a brush body with grip part and toothpaste container (10) with dispenser head and container body, fitted into the part to form a grip (19). The grip part has an integrally formed shell-like container frame, which partially encloses the container body when the toothpaste container is fitted into it. The grip surface mainly retains its shape when subjected to loads during cleaning of teeth, independent of the container volume, and the toothpaste container, which has been removed from the grip part, is of almost the same shape before and after pressing out toothpaste.

IPC 8 full level
A46B 5/00 (2006.01); **A46B 5/02** (2006.01); **A46B 11/00** (2006.01); **A46B 11/02** (2006.01); **A46B 11/04** (2006.01); **A46B 15/00** (2006.01); **A61C 17/00** (2006.01); **B65D 35/02** (2006.01)

IPC 8 main group level
A46B (2006.01)

CPC (source: EP KR US)
A46B 11/00 (2013.01 - KR); **A46B 15/0055** (2013.01 - EP US); **A46B 15/0061** (2013.01 - EP US); **A46B 11/00** (2013.01 - EP US); **A46B 2200/1066** (2013.01 - EP US)

Cited by
WO2011078863A1; WO2011078864A1; WO2011079030A1; RU2606582C1; FR2901976A1; EP2687126A3; EP2896316A1; AU2010333783B2; CN102711554A; RU2504316C1; KR101453633B1; AU2009356973B2; KR101414966B1; US9492006B2; DE102021005484B3; US9723913B2; US10213012B2; US10426251B2; WO2011079027A3; US9986818B2; US10085548B2; US10617199B2; US10702052B2

Designated contracting state (EPC)
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EP 1506726 A1 20050216; EP 1506726 B1 20070418; AR 045129 A1 20051019; AU 2004203277 A1 20050303; BR PI0403222 A 20050412; CA 2473844 A1 20050212; CN 1579284 A 20050216; CO 5570102 A1 20051031; DE 10337062 A1 20050303; DE 502004003516 D1 20070531; JP 2005058768 A 20050310; KR 20050019006 A 20050228; MX PA04007723 A 20050527; NO 20043268 L 20050214; RU 2004124541 A 20060210; TW 200514530 A 20050501; US 2005036821 A1 20050217; US 7237974 B2 20070703; ZA 200405950 B 20050127

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EP 04017801 A 20040728; AR P040102662 A 20040727; AU 2004203277 A 20040720; BR PI0403222 A 20040812; CA 2473844 A 20040713; CN 200410056590 A 20040811; CO 04076652 A 20040806; DE 10337062 A 20030812; DE 502004003516 T 20040728; JP 2004235386 A 20040812; KR 20040061810 A 20040805; MX PA04007723 A 20040809; NO 20043268 A 20040804; RU 2004124541 A 20040811; TW 93123104 A 20040802; US 70593103 A 20031113; ZA 200405950 A 20040726