

Title (en)

Brush body, method of its manufacture and toothbrush including this brush body

Title (de)

Bürstenkörper, Verfahren seiner Herstellung und Zahnbürste mit diesem Bürstenkörper

Title (fr)

Corps de brosse, procédé de sa fabrication et brosse à dents comportant ce corps de brosse

Publication

EP 2394530 A2 20111214 (EN)

Application

EP 11168341 A 20110601

Priority

JP 2010135323 A 20100614

Abstract (en)

A brush body (20) of a toothbrush (1) includes bristle bundles (30), each formed by a plurality of filaments (40). Each filament includes a core (41), which contains a conductive material, and an insulative sheath (42), which covers a side of the core. Each bristle bundle includes a basal portion at which basal ends of the cores are fused, solidified, and integrated with one another. The bristle bundle also includes a distal portion, which is formed by a distal end of each core. A ratio of the conductive material at the basal portion is equal to a ratio of the conductive material at the distal portion.

IPC 8 full level

A46B 9/04 (2006.01); **A46B 15/00** (2006.01)

CPC (source: EP US)

A46B 9/04 (2013.01 - EP US); **A46B 15/0022** (2013.01 - EP US); **A46D 1/023** (2013.01 - EP US); **A46B 2200/1066** (2013.01 - EP US)

Citation (applicant)

- JP S63249507 A 19881017 - FUKUBA HIROSHI
- JP H0690824 A 19940405 - SHIKEN KK
- JP 2000504605 A 20000418
- JP 2006102095 A 20060420 - LION CORP
- JP 2006180953 A 20060713 - LION CORP
- JP 2003009947 A 20030114 - SUNSTAR GROUP ENGINEERING INC

Cited by

CN111712158A

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 2394530 A2 20111214; **EP 2394530 A3 20120926**; **EP 2394530 B1 20130724**; CN 102273812 A 20111214; JP 2012000148 A 20120105; US 2011304194 A1 20111215

DOCDB simple family (application)

EP 11168341 A 20110601; CN 201110159774 A 20110603; JP 2010135323 A 20100614; US 201113151795 A 20110602