

Title (en)
ELECTRIC TOOTHBRUSH, AND TRANSMISSION FOR AN ELECTRIC TOOTHBRUSH

Title (de)
ELEKTROZAHNBÜRSTE UND GETRIEBE FÜR EINE ELEKTROZAHNBÜRSTE

Title (fr)
BROSSE À DENTS ÉLECTRIQUE ET TRANSMISSION POUR UNE BROSSE À DENTS ÉLECTRIQUE

Publication
EP 2066260 A1 20090610 (DE)

Application
EP 07725049 A 20070510

Priority
• EP 2007004127 W 20070510
• EP 06020546 A 20060929
• EP 07725049 A 20070510

Abstract (en)
[origin: EP1905382A1] The gearbox has shifted gears provided at a side of a drive and an output, respectively. A multiplication gear (92) includes a cam (72) that is arranged on a crown gear of a reduction gear (76). A clamp-like outlet (74) is provided with a sensing edge that grips a curve wall on the cam and is connected with a drive axle (30) conducting a movement for a movable cleaning unit. The curve wall is formed such that a cross-section length running in a cross-section plane of the cam by a center point of a cross-section form is uniformly long. An independent claim is also included for an electric toothbrush with a base body.

IPC 8 full level
A61C 17/34 (2006.01)

CPC (source: EP US)
A46B 5/0095 (2013.01 - US); **A46B 9/04** (2013.01 - US); **A61C 17/222** (2013.01 - EP US); **A61C 17/34** (2013.01 - EP US);
A61C 17/3409 (2013.01 - US); **A61C 17/3418** (2013.01 - EP US); **A61C 17/3436** (2013.01 - EP US); **A61C 17/3445** (2013.01 - EP US);
A61C 17/3454 (2013.01 - US); **A61C 17/3472** (2013.01 - EP US); **A61C 17/349** (2013.01 - EP US); **A61C 17/3427** (2013.01 - US)

Citation (search report)
See references of WO 2008040401A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
EP 1905382 A1 20080402; CA 2663600 A1 20080410; CA 2663600 C 20160119; CA 2842985 A1 20080410; CA 2842985 C 20151020;
CN 101516290 A 20090826; CN 101516290 B 20120530; DE 202007019478 U1 20121109; EP 2066260 A1 20090610;
EP 2272463 A2 20110112; EP 2272463 A3 20120919; EP 2548531 A2 20130123; EP 2548531 A3 20140604; EP 2548531 B1 20150923;
EP 3610830 A1 20200219; JP 2010504775 A 20100218; JP 5348592 B2 20131120; MX 2009002117 A 20090401; MX 344558 B 20161220;
US 2009183324 A1 20090723; US 2013097789 A1 20130425; US 2015289958 A1 20151015; US 2017189151 A1 20170706;
US 2018228583 A1 20180816; US 8365335 B2 20130205; US 9125714 B2 20150908; US 9572642 B2 20170221; US 9968427 B2 20180515;
WO 2008040401 A1 20080410

DOCDB simple family (application)
EP 06020546 A 20060929; CA 2663600 A 20070510; CA 2842985 A 20070510; CN 200780036088 A 20070510; DE 202007019478 U 20070510;
EP 07725049 A 20070510; EP 10011026 A 20070510; EP 12007125 A 20070510; EP 19201336 A 20070510; EP 2007004127 W 20070510;
JP 2009529542 A 20070510; MX 2009002117 A 20070510; MX 2013000354 A 20070510; US 201213678724 A 20121116;
US 201514748885 A 20150624; US 201715400213 A 20170106; US 201815950752 A 20180411; US 22786207 A 20070510