

Title (en)

Toothbrush body

Title (de)

Zahnbürstenkörper

Title (fr)

Corps de brosse à dents

Publication

EP 1532891 B1 20110302 (DE)

Application

EP 03026376 A 20031118

Priority

EP 03026376 A 20031118

Abstract (en)

[origin: EP1532891A1] The toothbrush (1) is assembled of a long handle (14), a neck area (12, 24), and the bristle head (5, 10). The handle (14) has a central core (28) made of a rigid plastic material which can be perforated and is provided with various ribs (30, 32, 32', 32'') protruding laterally and forming alternately positioned spaces (38) between them. The skeleton (16) can either be completely covered by a soft material (20) or by soft segments clinging to the ribs (30, 32, 32', 32''). The outer surface (34) of the handle or the segments is textured with a suitable pattern (46) facilitating a firm grip.

IPC 8 full level

A46B 5/02 (2006.01)

CPC (source: EP US)

A46B 5/02 (2013.01 - EP US); **A46B 2200/1066** (2013.01 - EP US)

Cited by

DE102007017869A1; EP1836923A1; US9398802B2; EP3607854A1; US8448284B2; US11944188B2; US9737134B2; WO2007110208A1; WO2020030511A1; EP1905382A1; WO2008040401A1; EP2272463A2; DE202007019478U1; EP2548531A2; US8365335B2; US9125714B2; US9572642B2; US9968427B2; EP3610830A1; EP1745217B2

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 1532891 A1 20050525; EP 1532891 B1 20110302; AT E499860 T1 20110315; DE 50313511 D1 20110414; US 2006213018 A1 20060928; US 7383619 B2 20080610; WO 2005048772 A1 20050602

DOCDB simple family (application)

EP 03026376 A 20031118; AT 03026376 T 20031118; DE 50313511 T 20031118; EP 2004012521 W 20041105; US 38688906 A 20060323