

Title (en)
TOOTHBRUSH

Title (de)
ZAHNBÜRSTE

Title (fr)
BROSSE A DENTS

Publication
EP 1453397 B1 20060419 (EN)

Application
EP 02782552 A 20021204

Priority

- BR 0200170 W 20021204
- BR 0106578 A 20011204
- BR 0205539 A 20021125

Abstract (en)
[origin: US2006048322A1] A toothbrush comprising a head (10) carrying a group of bristles (20); an elongated handle (30), having a free end (31) and an opposite end (32); and a neck (40), connecting the opposite end (32) of the handle (30) to the head (10). Said handle (30) presents, on its front face (30 a) and at the opposite end (32), a first shoulder (33) defining a thumb supporting front region (33 a); and, on its rear face (30 b) and spaced from the free end (31), a second shoulder (34) having opposite sides for supporting the little finger and the ring finger, respectively. The first and the second shoulders (33, 34) are used when the toothbrush is gripped with the bristles (20) turned to the user. The handle (30) has a cross section contour that increases generally from the thumb supporting region (33 a), close to the first shoulder (33), to the second shoulder (34). The rear face (30 b) of the handle (30) is further provided with a thumb supporting rear region (35 a), to be used when the toothbrush is gripped with the bristles (20) turned away from the user.

IPC 8 full level
A46B 5/02 (2006.01)

CPC (source: EP US)
A46B 5/02 (2013.01 - EP US); **A46B 5/021** (2013.01 - EP US); **A46B 2200/1066** (2013.01 - EP US)

Designated contracting state (EPC)
DE GB

DOCDB simple family (publication)
US 2006048322 A1 20060309; AR 037639 A1 20041117; AU 2002347232 A1 20030617; AU 2002347232 B2 20071206;
AU 2002347232 C1 20081016; CA 2466528 A1 20030612; DE 60210813 D1 20060524; DE 60210813 T2 20061123; EP 1453397 A1 20040908;
EP 1453397 B1 20060419; JP 2005510330 A 20050421; JP 4105096 B2 20080618; WO 03047388 A1 20030612

DOCDB simple family (application)
US 49793005 A 20051024; AR P020104695 A 20021204; AU 2002347232 A 20021204; BR 0200170 W 20021204; CA 2466528 A 20021204;
DE 60210813 T 20021204; EP 02782552 A 20021204; JP 2003548658 A 20021204