Title (en)

TOOTHBRUSH DEVICE

Title (de)

ZAHNBÜRSTENVORRICHTUNG

Title (fr)

DISPOSITIF DE BROSSE A DENTS

Publication

EP 1237439 A1 20020911 (EN)

Application

EP 00983580 A 20001214

Priority

- NO 0000427 W 20001214
- NO 996303 A 19991217

Abstract (en)

[origin: WO0143582A1] A toothbrush where an intermediate area (4) between the brush handle (1) and the brush neck (2) has a weakened portion (5, 5', 5") to cause the toothbrush head (3) to bend relative to the handle (1) when the working pressure on the toothbrush head exceeds a threshold value. The intermediate section (4) has at least one area of contact (6; 7) for one or more of the toothbrush user's fingers, and the area of contact (6; 7) has at least two projections or prominent elevations (8, 9; 10; 11; 8', 9'; 10', 11') which, in the event that the said threshold value is exceeded, either move apart if the area of contact (6) is on the bristle side of the brush, or towards one another if the area of contact (7) is on the back of the brush.

IPC 1-7 (main, further and additional classification)

A46B 5/02

IPC 8 full level (invention and additional information)

A46B 5/00 (2006.01); **A46B 5/02** (2006.01); **A46B 15/00** (2006.01)

CPC (invention and additional information)

A46B 15/0012 (2013.01); **A46B 5/0062** (2013.01); **A46B 5/007** (2013.01); **A46B 5/02** (2013.01); **A46B 5/026** (2013.01); **A46B 15/0002** (2013.01); A46B 2200/1066 (2013.01)

Citation (search report)

See references of WO 0143582A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

EPO simple patent family

WO 0143582 A1 20010621; AU 2031701 A 20010625; EP 1237439 A1 20020911; NO 314827 B1 20030602; NO 996303 A 20010618; NO 996303 D0 19991217

INPADOC legal status

2006-02-08 [18D] APPLICATION DEEMED TO BE WITHDRAWN

- Effective date : 20050728

2005-05-04 [17Q] FIRST EXAMINATION REPORT

- Effective date : 20050317

2002-09-11 [17P] REQUEST FOR EXAMINATION FILED

- Effective date : 20020617

2002-09-11 [AK] DESIGNATED CONTRACTING STATES:

- Kind Code of Ref Document : A1
- Designated State(s) : AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

2002-09-11 [AX] REQUEST FOR EXTENSION OF THE EUROPEAN PATENT TO:

- Free text : AL;LT;LV;MK;RO;SI