

Title (en)

Toothbrush with a deflecting part having a deflection profile.

Title (de)

Zahnbürste, an der ein Teil als Abbiegungsprofil ausgebildet ist.

Title (fr)

Brosse à dents ayant une partie en profil de déflexion.

Publication

EP 0371293 A2 19900606 (EN)

Application

EP 89120761 A 19891109

Priority

DE 3840136 A 19881129

Abstract (en)

The invention relates to a toothbrush with a deflecting part (4) which has a deflection profile and is positioned between brush head (1) and stem (5) for deflecting the brush head (1) when a certain contact pressure is reached. According to the invention the deflecting part (4) is a link (7), similar to a leaf spring, which connects the brush head (1) to the stem (5) and is covered at least on its front and back by a jacket (8) made of an elastomer. The elastomer is a natural or synthetic rubber, such as styrene-butadiene rubber, butyl rubber, ethylene rubber, propylene rubber, silicone rubber, or an ethylene vinyl acetate copolymer or plasticized PVC.

IPC 1-7

A46B 7/06; **A46B 15/00**

IPC 8 full level

A46B 5/00 (2006.01); **A46B 7/06** (2006.01); **A46B 15/00** (2006.01)

CPC (source: EP KR)

A46B 5/0062 (2013.01 - EP); **A46B 5/007** (2013.01 - EP); **A46D 3/00** (2013.01 - KR); **A46B 2200/1066** (2013.01 - EP)

Cited by

DE19608226A1; US5758383A; US6073299A; AU722959B3; DE19519674C1; US5987690A; US10512323B2; EP1300096A2; WO2008017996A2; FR2743270A1; US6101659A; AU723083B2; AP1115A; WO9638067A1; WO2009146498A1; WO9827847A1; WO0064306A1; US8973202B2; WO9725900A1; US6314606B1; US6442787B2; WO9725899A1; EP2335517A1; US9603441B2; WO9724949A1

Designated contracting state (EPC)

AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

EP 0371293 A2 19900606; **EP 0371293 A3 19910807**; **EP 0371293 B1 19960131**; AT E133541 T1 19960215; CA 2004029 A1 19900529; DE 3840136 C1 19900517; DE 68925567 D1 19960314; DE 68925567 T2 19960814; DK 590189 A 19900530; DK 590189 D0 19891124; ES 2081827 T3 19960316; GR 3018854 T3 19960531; IE 75897 B1 19970924; IE 893793 L 19900529; JP 2831401 B2 19981202; JP H02257904 A 19901018; KR 900007366 A 19900601; NO 894524 D0 19891113; NO 894524 L 19900530

DOCDB simple family (application)

EP 89120761 A 19891109; AT 89120761 T 19891109; CA 2004029 A 19891128; DE 3840136 A 19881129; DE 68925567 T 19891109; DK 590189 A 19891124; ES 89120761 T 19891109; GR 960400070 T 19960201; IE 379389 A 19891128; JP 30882489 A 19891128; KR 890017287 A 19891128; NO 894524 A 19891113