Title (en)

TOOTHBRUSH

Publication

EP 0281017 B1 19920930 (DE)

Application

EP 88102804 A 19880225

Priority

DE 3706345 A 19870227

Abstract (en)

[origin: EP0281017A1] While brushing the teeth with known toothbrushes, whether manually or mechanically operated, the user can involuntarily apply too much pressure, which may cause damage with far-reaching consequences to the gums, teeth and dental fixing devices. Such damage may be avoided by using a toothbrush which enables the user to achieve optimum pressure for brushing the teeth by simple means, and without using additional electrical or electronic aid. The head (3) of the toothbrush is so disposed on the shaft (1) of the toothbrush, that it flexes when a certain level of pressure is reached, enabling optimum pressure to be maintained while the teeth are brushed. An acoustic and/or tangible sign may be given when optimum pressure on the shaft (1) of the toothbrush is reached, or the shaft (1) may be formed at certain points like a leaf spring, in such a way that the flexible design of the toothbrush head ensures that an optimum or maximum pressure while brushing the teeth is not exceeded.

IPC 1-7

A46B 7/02; A46B 15/00

IPC 8 full level

A46B 5/00 (2006.01); **A46B 7/02** (2006.01); **A46B 15/00** (2006.01)

CPC (source: EP KR)

A46B 5/0062 (2013.01 - EP); **A46B 5/007** (2013.01 - EP); **A46B 15/0002** (2013.01 - EP); **A46B 15/0012** (2013.01 - EP); **A46B 15/004** (2013.01 - EP); **A46B 17/00** (2013.01 - KR); A46B 2200/1066 (2013.01 - EP)

Cited by

GB2413269A; TR26024A; EP0836818A3; EP0648448A1; GB2286520A; GB2286520B; GB2299264A; GB2299264B; EP0636350A1; BE1007374A3; EP2361528A1; EP2700332A3; US8973202B2; US8496670B2; US6353958B2; WO2011103962A1; WO9215224A1; WO9409675A1; WO2004010822A1

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