

Title (en)
FLEXIBLE DOME TOOTHBRUSH

Title (de)
ZAHNBÜRSTE MIT FLEXIBLER KUPPEL

Title (fr)
BROSSE A DENTS DE FORME ARRONDIE FLEXIBLE

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Application
EP 03785057 A 20030808

Priority

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- US 40217002 P 20020809
- US 40267002 P 20020812

Abstract (en)
[origin: WO2004014181A1] A toothbrush (10) includes a head (14) having a bristle carrying surface formed from a thin flexible dome shaped membrane (24). An air space (28) is located between the base of the head and the membrane so that the membrane can be capable of flexing to alter its shape during use and then resuming the original shape. In a second embodiment, the head (114) and/or handle (112) have elastomeric portions at least partially surrounding an open area. These portions are readily deflectable under pressure during use to improve handling of the toothbrush and orientation of the cleaning elements (124). Alternatively the toothbrush includes a resilient spring-like longitudinal hinge (222) collinear with the longitudinal axis of the toothbrush head so as to separate the head into a pair of side by side longitudinal sections having extending cleaning elements (228) wherein the hinge urges the sections to return to their original position after the hinge has been opened as a result of the cleaning elements contacting teeth.

IPC 8 full level
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Citation (search report)

- No further relevant documents disclosed
- See references of WO 2004014181A1

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