Title (en)
TOOTHBRUSH WITH BRISTLE ARRAY

Title (de)
ZAHNBÜRSTE MIT BORSTENFELD

Title (fr)
BROSSE A DENTS COMPORTANT UN CHAMP DE POILS

Publication
EP 1423029 B1 20071219 (DE)

Application
EP 03797198 A 20030702

Priority
- DE 10238672 A 20020823
- EP 0307032 W 20030702

Abstract (en)
[origin: US2006048323A1] A toothbrush in the form of a manual toothbrush having a rectangular bristle array (1) or in the form of an electric toothbrush having a round bristle array (1), formed from individual bristle bundles (2), arranged adjacent to each other on a brush head and standing erect at approximately right angles thereto is provided. At least some of the individual bristle bundles (4) are at least partly inclined or roof-shaped with respect to a plane approximately parallel to the brush head (2), such that bristles in the bristle bundles (4) stand to differing heights whereby the terminal surfaces arranged at the applied ends of the bristle bundles (4) are embodied as inclined surfaces (5) or as partly inclined surfaces. The bristle bundles (4) are arranged in a line adjacent to each other along imaginary straight or curved connecting lines, or for round brushes, along segmental or circular connection lines. At least individual, and preferably large groups or all of the bristle bundles (4) in the bristle array (1) are arranged with the inclined surfaces (5) thereof rotated to varying degrees relative to each other and to the connecting line(s), such that a number of differently oriented inclined surfaces are provided for cleaning teeth so that a particular inclined surface is in a favorable orientation to engage in an interdental space between teeth for thorough cleaning

IPC 8 full level
A46B 9/04 (2006.01)

CPC (source: EP US)
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US 2006048323 A1 20060309; AT E381273 T1 20080115; AU 2003246354 A1 20040408; DE 10238672 C1 20031224; DE 50308838 D1 20080131; EP 1423029 A1 20040602; EP 1423029 B1 20071219; EP 1423029 B2 20131009; WO 2004026074 A1 20040401

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