

Title (en)

BRUSH WITH ELASTICALLY RETRACTABLE BRISTLES, ESPECIALLY FOR CLEANING IRREGULAR SURFACES SUCH AS TEETH

Publication

EP 0159940 A3 19870527 (FR)

Application

EP 85400703 A 19850409

Priority

FR 8405896 A 19840413

Abstract (en)

[origin: ES8700564A1] Tufts of bristles (3) in a brush are resiliently retractable by thrusting against a membrane (5) which is capable of resilient spot deformation, with each tuft being retractable independently from the other tufts of the brush. Tufts are retracted into the brush in order to continuously match the envelope surface (18) defined by the free ends (15) of said tufts (3) to the shape of the surface to be brushed (17), and said matching takes place without substantial difference in the force applied to the various zones of said surface by the various tufts of bristles.

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A46B 7/06

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

- [AD] US 2882544 A 19590421 - HADIDIAN PUZANT H
- [AD] US 3082457 A 19630326 - LUCIBELLO FLORIO R, et al
- [A] US 4240452 A 19801223 - JEAN SAN-BAU [TW]
- [A] US 2486847 A 19491101 - HOKETT WILLIAM G
- [A] GB 1221793 A 19710210 - WORKSHOPS FOR THE BLIND
- [A] DE 2909638 A1 19800925 - WEBER HEINZ

Cited by

FR2599604A1; EP0504893A1; EP3440957A1; US5970564A; US8069524B2; WO9812948A1

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