

Title (en)
TOOTHBRUSH BRISTLES MADE OF POLYKETONE MATERIAL, AND TOOTHBRUSH INCLUDING SAME

Title (de)
AUS POLYKETONMATERIAL HERGESTELLTE ZAHNBÜRSTENBORSTEN UND ZAHNBÜRSTE DAMIT

Title (fr)
POILS DE BROUSSE À DENTS EN POLYCÉTONE, ET BROUSSE À DENTS LES COMPRENANT

Publication
EP 3520651 A4 20200408 (EN)

Application
EP 17856677 A 20170925

Priority
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• KR 2017010558 W 20170925

Abstract (en)
[origin: EP3520651A1] Provided are polyketone toothbrush bristles and a toothbrush comprising the same. The toothbrush bristles are made using a polyketone material having high rigidity, high elasticity and excellent wear resistance and thus shows reduced bristle gap-widening and increased service life. The toothbrush bristles obtained by using the polyketone according to the present disclosure have excellent elasticity and are suitable for removal of plaque on the severely indented tooth surfaces. Particularly, in the case of fine bristles, it is possible to remove interdental plaque, which, otherwise cannot be removed well by the conventional toothbrushes.

IPC 8 full level
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Citation (search report)
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• [A] JP 2005211383 A 20050811 - TORAY MONOFILAMENT CO
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• [I] KORMELINK H G ET AL: "ALIPHATIC POLYKETONE FIBERS FOR INDUSTRIAL APPLICATIONS", CHEMICAL FIBERS INTERNATIONAL, vol. 49, no. 3, 1 May 1999 (1999-05-01), pages 208, 210, XP000831797, ISSN: 0340-3343
• See references of WO 2018062791A1

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