

Title (en)  
FILAMENT FOR AN ORAL CARE IMPLEMENT AND ORAL CARE IMPLEMENT

Title (de)  
FILAMENT FÜR EINE MUNDPFLEGEVORRICHTUNG UND MUNDPFLEGEVORRICHTUNG

Title (fr)  
FILAMENT POUR UN INSTRUMENT DE SOINS BUCCAUX ET LEDIT INSTRUMENT

Publication  
**EP 3251547 A1 20171206 (EN)**

Application  
**EP 16172797 A 20160603**

Priority  
EP 16172797 A 20160603

Abstract (en)  
A filament for an oral care implement has a longitudinal axis and a substantially cross-shaped cross-sectional area extending in a plane substantially perpendicular to the longitudinal axis. The cross-shaped cross-sectional area has four projections and four channels, the projections and channels are arranged in an alternating manner. The cross-sectional area has an outer diameter, and each channel has a concave curvature formed by neighboring and converging projections. The concave curvature has a radius which is within a range from about 0.015 mm to about 0.12 mm, and the ratio of the outer diameter to the radius is within a range from about 2.5 to about 12.

IPC 8 full level  
**A46D 1/00** (2006.01); **A46D 1/08** (2006.01)

CPC (source: EP KR)  
**A46D 1/0238** (2013.01 - EP KR); **A46D 1/08** (2013.01 - EP KR); **A46B 2200/1066** (2013.01 - EP KR)

Citation (search report)

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- [Y] JP 2001169829 A 20010626 - TORAY MONOFILAMENT CO
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- [Y] JP 2005185399 A 20050714 - LION CORP
- [Y] EP 2918191 A1 20150916 - PROCTER & GAMBLE [US]
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Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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DOCDB simple family (application)  
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