

Title (en)  
FILAMENTS FOR ORAL CARE IMPLEMENTS

Title (de)  
FILAMENTE FÜR MUNDPFLEGEVORRICHTUNGEN

Title (fr)  
FILAMENTS POUR INSTRUMENTS DE SOINS BUCCODENTAIRES

Publication  
**EP 4376673 A1 20240605 (EN)**

Application  
**EP 22744700 A 20220705**

Priority  
• EP 21187616 A 20210726  
• EP 2022068640 W 20220705

Abstract (en)  
[origin: WO2023006359A1] Disclosed is a filament (1) made of a material suitable for use as bristles of an oral care implement, where said filament has non-circular cross-section in the direction orthogonal to its axis, where axis means the longitudinal axis of the filament, characterised in that the cross-section is shaped like a double-concave lens having non-linear edges (2, 3) that define the maximum width (w) of said bristle, wherein said non-linear edges are curved and represent arcs of a circle of radius (r) and the total breadth of the filament is represented by (t) where (t) is the diameter of the same circle of radius (r), and wherein area of said cross-section is constant along the length of the filament.

IPC 8 full level  
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**A46D 1/0238** (2013.01); **A46B 2200/1066** (2013.01); **A46B 2200/108** (2013.01)

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