

Title (en)

TUFT AND HEAD FOR AN ORAL CARE IMPLEMENT AND ORAL CARE IMPLEMENT

Title (de)

BÜSCHEL UND KOPF FÜR MUNDPFLEGEVORRICHTUNG UND MUNDPFLEGEVORRICHTUNG

Title (fr)

DUVET ET TÊTE POUR UN INSTRUMENT DE SOINS BUCCAUX ET INSTRUMENT POUR SOINS BUCCAUX

Publication

EP 3251549 B1 20191225 (EN)

Application

EP 16172799 A 20160603

Priority

EP 16172799 A 20160603

Abstract (en)

[origin: EP3251549A1] A tuft for an oral care implement comprises a plurality of filaments. Each filament 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, and the projections and channels are arranged in an alternating manner. Each channel has a concave curvature formed by neighboring and converging projections. The concave curvature has a radius, and the radius of the concave curvature of the channel is within a range from about 0.025 mm to about 0.10 mm. The tuft has a packing factor within a range from about 40% to about 55%.

IPC 8 full level

A46D 1/00 (2006.01); **A46D 1/08** (2006.01)

CPC (source: CN EP KR)

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

Citation (examination)

JP 2004202021 A 20040722 - LION CORP

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 3251549 A1 20171206; EP 3251549 B1 20191225; AU 2017275583 A1 20181213; AU 2017275583 B2 20200102; CA 3025820 A1 20171207; CA 3025820 C 20210323; CN 109475226 A 20190315; CN 116035344 A 20230502; ES 2776230 T3 20200729; JP 2019517324 A 20190624; JP 2022000183 A 20220104; JP 7236864 B2 20230310; KR 102237648 B1 20210409; KR 20190003715 A 20190109; PL 3251549 T3 20200629; WO 2017210277 A1 20171207

DOCDB simple family (application)

EP 16172799 A 20160603; AU 2017275583 A 20170531; CA 3025820 A 20170531; CN 201780034408 A 20170531; CN 202310087326 A 20170531; ES 16172799 T 20160603; JP 2018563141 A 20170531; JP 2021151046 A 20210916; KR 20187034887 A 20170531; PL 16172799 T 20160603; US 2017035180 W 20170531