

Title (en)
METHOD FOR PRODUCING BRISTLES USED TO ADMINISTER MEDIA, BRISTLES PRODUCED ACCORDING TO SAID METHOD AND BRUSHWARE COMPRISING BRISTLES OF THIS TYPE

Title (de)
VERFAHREN ZUR HERSTELLUNG VON BORSTEN ZUM APPLIZIEREN VON MEDIEN, NACH DEM VERFAHREN HERGESTELLTE BORSTEN UND BORSTENWARE MIT SOLCHEN BORSTEN

Title (fr)
PROCEDE DE PRODUCTION DE POILS UTILISES POUR APPLIQUER DES SUBSTANCES, POILS PRODUITS SELON LEDIT PROCEDE, ET ARTICLES POURVUS DE TELS POILS

Publication
EP 1272070 B1 20031105 (DE)

Application
EP 01933759 A 20010327

Priority
• DE 10017306 A 20000409
• EP 0103466 W 20010327

Abstract (en)
[origin: US2003044604A1] Bristles for applying media are produced in that a filament, which can be cut into bristles, is extruded with a core which also determines the mechanical properties of the bristle. Cavities are formed at a separation from the center of the core and open towards the circumference of the filament which can be filled with medium from the outside, wherein the circumferential openings of the cavities are formed such that the medium is discharged only when the bristle is appropriately used. The cavities may also have a larger opening width and be covered by a layer or jacket. A bristle and brushes having such bristles produced in accordance with this method are also described.

IPC 1-7
A46D 1/00

IPC 8 full level
A46D 1/00 (2006.01); **A46D 1/04** (2006.01); **B29C 48/30** (2019.01); **B29L 31/42** (2006.01)

CPC (source: EP KR US)
A46B 15/001 (2013.01 - EP KR US); **A46D 1/00** (2013.01 - EP KR US); **Y10T 428/2929** (2015.01 - EP US)

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
US 2003044604 A1 20030306; US 7014800 B2 20060321; AR 027774 A1 20030409; AT E253311 T1 20031115; AU 6015601 A 20011023; BR 0109942 A 20030527; CA 2405071 A1 20021003; CN 1427682 A 20030702; CZ 20023344 A3 20030115; DE 10017306 A1 20011011; DE 50100916 D1 20031211; EG 22737 A 20030730; EP 1272070 A1 20030108; EP 1272070 B1 20031105; ES 2208596 T3 20040616; HU P0300553 A2 20030728; IL 152045 A0 20030529; IL 152045 A 20070920; JP 2003529428 A 20031007; KR 100749535 B1 20070816; KR 20020089438 A 20021129; MX PA02009893 A 20030414; NO 20024844 D0 20021007; NO 20024844 L 20021209; PL 358755 A1 20040823; PT 1272070 E 20040331; RU 2002129889 A 20040320; SK 14442002 A3 20030401; TR 200202327 T2 20030221; TW 548083 B 20030821; WO 0176414 A1 20011018; YU 76402 A 20030829; ZA 200207881 B 20031001

DOCDB simple family (application)
US 26096102 A 20021001; AR P010101645 A 20010406; AT 01933759 T 20010327; AU 6015601 A 20010327; BR 0109942 A 20010327; CA 2405071 A 20010327; CN 01809233 A 20010327; CZ 20023344 A 20010327; DE 10017306 A 20000409; DE 50100916 T 20010327; EG 20010347 A 20010408; EP 0103466 W 20010327; EP 01933759 A 20010327; ES 01933759 T 20010327; HU P0300553 A 20010327; IL 15204501 A 20010327; IL 15204502 A 20021001; JP 2001573939 A 20010327; KR 20027013495 A 20021008; MX PA02009893 A 20010327; NO 20024844 A 20021007; PL 35875501 A 20010327; PT 01933759 T 20010327; RU 2002129889 A 20010327; SK 14442002 A 20010327; TR 200202327 T 20010327; TW 90108022 A 20010403; YU P76402 A 20010327; ZA 200207881 A 20021001