Title (en)

METHOD FOR CONNECTING BRISTLE SUPPORTS HAVING BRISTLES TO COVER PARTS DURING BRUSH PRODUCTION

Title (de)

VERFAHREN ZUM VERBINDEN VON BEBORSTETEN BORSTENTRÄGERN MIT ABDECKTEILEN BEI DER BÜRSTENHERSTELLUNG

Title (fr)

PROCÉDÉ POUR RELIER DES SUPPORTS DE POILS BROSSÉS AVEC DES PARTIES DE RECOUVREMENT POUR LA FABRICATION DE BROSSES

Publication

EP 2552276 A1 20130206 (DE)

Application

EP 11711453 A 20110322

Priority

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Abstract (en)

[origin: WO2011116935A1] A bristle support is produced from thermoplastic plastics material, having through holes and a peripheral edge surrounding said holes. Brush elements such as bristles, bundles of bristles, cleaning elements made of elastomer material and natural fibres are then fastened in the holes of the bristle support. Furthermore a cover part as a component of a brush body made of thermoplastic plastics material is formed and provided with a mounting region for the bristle support and with sacrificial structures formed in the mounting region and a connecting edge surrounding the mounting region. The peripheral edge of the bristle support and the sacrificial structures as well as the connecting edge of the cover part are then plasticised by heating. Then the bristle support and the cover part are pressed against one another, and the plasticised peripheral edge of the bristle support is welded to the plasticised connecting edge of the cover part. The plasticised material of the sacrificial structures flows into the volume remaining between the bristle support and the cover part and surrounded by the connecting edge, said plasticised material at least substantially filling said volume.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 2011116935A1

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