

Title (en)  
BRUSH HEAD MANUFACTURING METHODS WITH PROTECTIVE COATINGS

Title (de)  
VERFAHREN ZUR HERSTELLUNG EINES BÜRSTENKOPFS MIT SCHUTZBESCHICHTUNGEN

Title (fr)  
PROCÉDÉS DE FABRICATION DE TÊTE DE BROSSE AVEC REVÊTEMENTS PROTECTEURS

Publication  
**EP 3749139 A1 20201216 (EN)**

Application  
**EP 19702238 A 20190128**

Priority  
• US 201862626863 P 20180206  
• EP 2019051935 W 20190128

Abstract (en)  
[origin: WO2019154642A1] A method for manufacturing a brush head includes the steps of providing a plurality of bristle tuft retention elements, and inserting at least one bristle tuft into each of the bristle tuft retention elements. The proximal end of each bristle tuft is secured into each bristle tuft retention element. The platen portion of the brush neck is positioned in relation to the proximal ends of the bristle tufts in the retaining elements to define a space in relation to the proximal ends of the bristle tufts. A flexible material is injected into the space to create a flexible material matrix that at least partially encompasses the neck and the proximal ends of the bristle tufts. At least a portion of an exterior of the flexible material matrix is coated with a protective coating.

IPC 8 full level  
**A46D 3/00** (2006.01); **A46B 9/04** (2006.01)

CPC (source: EP US)  
**A46B 9/04** (2013.01 - US); **A46D 3/005** (2013.01 - EP US); **A46B 2200/1066** (2013.01 - EP US)

Citation (search report)  
See references of WO 2019154642A1

Designated contracting state (EPC)  
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BA ME

DOCDB simple family (publication)  
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**EP 2019051935 W 20190128**; CN 201980011872 A 20190128; EP 19702238 A 20190128; US 201916966060 A 20190128