Title (en)

Method and apparatus for fixing bristle tufts to a plastic bristle carrier

Title (de)

Verfahren zum Verbinden von Borstenbündeln mit einem Borstenträger aus Kunststoff und Vorrichtung hierfür

Title (fr)

Procédé et dispositif pour fixer des faisceaux de poils à un porte-brosse en plastique

Publication

EP 0472857 B1 19960508 (DE)

Application

EP 91110916 A 19910702

Priority

DE 4027108 A 19900828

Abstract (en)

[origin: EP0472857A1] A method for fixing bristle tufts to a plastic bristle carrier is proposed, by melting the bristles of each tuft at their ends on the attachment side with formation of a thickening, by providing the bristle carrier on the bristle-receiving side with holes receiving the thickenings, by pressing the bristle tufts into the bristle carrier by the thickening, by sealing off the space above the bristle-receiving side and between the bristle tufts, surrounding the bristle area in annular fashion, against the bristle carrier, and by the compound rising during the pressing-in under the application of pressure and filling the sealed-off space being displaced and compressed. In addition to further variants of the method, an apparatus for carrying out the method is also described.

IPC 1-7

A46B 3/04; A46D 3/04

IPC 8 full level

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CPC (source: EP US)

A46B 3/04 (2013.01 - EP US); **A46D 3/045** (2013.01 - EP US); Y10S 425/805 (2013.01 - EP)

Cited by

DE102015111312C5; US5913347A; CN110545694A; AU710801B2; EP0626141A1; EP0853899A3; DE102015111312A1; BE1025851B1; CN112716133A; US10405642B2; WO2018177592A1; US6220672B1; USRE47468E; WO9739649A1; US10660431B2; US11219303B2; WO2017182355A1

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