

Title (en)

METHOD AND DEVICE FOR FASTENING BRISTLES IN A BRISTLE CARRIER

Title (de)

VERFAHREN UND VORRICHTUNG ZUM BEFESTIGEN VON BORSTEN IN EINEM BORSTENTRÄGER

Title (fr)

PROCÉDÉ ET DISPOSITIF DE FIXATION DE POILS DANS UN SUPPORT DE POILS

Publication

**EP 4369986 A1 20240522 (DE)**

Application

**EP 22744432 A 20220704**

Priority

- DE 102021118502 A 20210716
- EP 2022068485 W 20220704

Abstract (en)

[origin: WO2023285196A1] A method for anchorless fastening of at least one bristle in an assigned opening (12), in the form of a blind hole, in a bristle carrier made of plastic as part of a subsequent brush, which has a front side (18) from which the opening (12) into the bristle carrier (10) extends, wherein the at least one bristle has a thickened fastening end (24). After inserting the at least one bristle in the opening (12) from the front side (18) of the bristle carrier (10), wherein an impact pulse is exerted on part of the circumference or the whole circumference of the front rim (22) of the opening (12), the rim is plastically deformed. The present invention further relates to a corresponding device.

IPC 8 full level

**A46B 3/06** (2006.01); **A46D 3/04** (2006.01); **B29C 65/08** (2006.01)

CPC (source: EP)

**A46B 3/06** (2013.01); **A46D 3/045** (2013.01); **B29C 65/568** (2013.01); **B29C 66/02242** (2013.01); **B29C 66/532** (2013.01); **B29C 66/69** (2013.01); **B29C 66/7392** (2013.01); **B29C 66/81415** (2013.01); **B29C 66/81419** (2013.01); **B29C 66/81427** (2013.01); **B29C 66/8225** (2013.01); **B29C 66/8322** (2013.01); **B29L 2031/425** (2013.01)

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

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

**DE 102021118502 A1 20230119**; CN 117769371 A 20240326; EP 4369986 A1 20240522; TW 202304345 A 20230201; WO 2023285196 A1 20230119

DOCDB simple family (application)

**DE 102021118502 A 20210716**; CN 202280049526 A 20220704; EP 2022068485 W 20220704; EP 22744432 A 20220704; TW 111120875 A 20220606