

Title (en)

DEVICE AND PROCESS FROM THE PRODUCTION OF ANGLED BRISTLES ON BRUSH SUPPORTS

Title (de)

VORRICHTUNG UND VERFAHREN ZUM HERSTELLEN VON ABGEWINKELTEN BORSTEN AUF BORSTENTRÄGERN

Title (fr)

DISPOSITIF ET PROCEDURE DE PRODUCTION DE SOIES COURBEES SUR DES SUPPORTS DE SOIES

Publication

**EP 1608249 A1 20051228 (DE)**

Application

**EP 04724529 A 20040331**

Priority

- DE 2004000683 W 20040331
- DE 10315105 A 20030402

Abstract (en)

[origin: WO2004086906A1] The invention relates to the development of a device for the production of angled bristles on brush supports, whereby the bristles on several brush supports may be angled. According to the invention, the above can be achieved whereby the bristles are plastic bristles (1), heated in a container up to the thermoplastic region, the brush supports (3) may be placed on a brush support housing (6) on a transport device (7), a forming unit (4) is arranged within the container (5) with an angled section (8) corresponding to the angle of the brush piece to be angled, with a form stabilising region (26), immediately after the angled section (8). The brush supports (3) with the plastic bristles (1), heated in the container (5), are dragged over the angled section (8) of the forming unit (4), said bristles are angled up to the height of the forming unit (4) and then run through the form stabilisation region (26) which retains the angled plastic bristles (1) in the form produced. A cooling and drying unit (11) and a housing and removal unit (12) for the brush supports (3) are arranged in the container (5).

IPC 1-7

**A46D 9/00**

IPC 8 full level

**A46D 3/00** (2006.01); **A46D 9/00** (2006.01); **A46D 9/02** (2006.01)

CPC (source: EP)

**A46D 9/00** (2013.01)

Citation (search report)

See references of WO 2004086906A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**WO 2004086906 A1 20041014**; AT E367108 T1 20070815; DE 10315105 B3 20040812; DE 502004004366 D1 20070830; EP 1608249 A1 20051228; EP 1608249 B1 20070718

DOCDB simple family (application)

**DE 2004000683 W 20040331**; AT 04724529 T 20040331; DE 10315105 A 20030402; DE 502004004366 T 20040331; EP 04724529 A 20040331