

Title (en)

METHOD AND DEVICE FOR PRODUCING BRUSHWARE AND BRUSHWARE OBTAINED WITH SAME

Title (de)

VERFAHREN UND VORRICHTUNG ZUR HERSTELLUNG VON BORSTENWAREN UND DANACH HERGESTELLTE BORSTENWAREN

Title (fr)

PROCEDE ET DISPOSITIF POUR PRODUIRE DES ARTICLES DE BROSSERIE ET ARTICLES DE BROSSERIE AINSI OBTENUS

Publication

EP 1158880 A1 20011205 (DE)

Application

EP 00910706 A 20000224

Priority

- DE 19909435 A 19990304
- EP 0001533 W 20000224

Abstract (en)

[origin: DE19909435A1] The invention relates to a method for the production of brushware articles consisting of a bristle support and bristles of at least two different types which are gathered into at least one group having a defined cross section and fixed to the support. According to said method the bristles of a particular type are gathered into a partial group and the partial groups forming a whole bristle group are gathered to form a bristle group which is then fixed to the bristle support. In a guide of a shaping device the cross section of the bristles of each partial group is deformed such that this cross section corresponds to their partial cross section in the bristle group. While ensuring that the partial groups retain their partial cross sections, said partial groups are then gathered in the guides such that the cross section of the bristle group is obtained. The invention also relates to a device for carrying the above method and to brushware obtained with same.

IPC 1-7

A46B 9/04; **A46D 1/08**; **A46D 1/06**

IPC 8 full level

A46D 1/06 (2006.01); **A46D 1/08** (2006.01); **A46B 9/04** (2006.01)

CPC (source: EP US)

A46D 1/08 (2013.01 - EP US)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

US 6726789 B1 20040427; AR 022838 A1 20020904; AT E265164 T1 20040515; AU 3282000 A 20000921; AU 758677 B2 20030327; AU 758677 C 20031009; BR 0008742 A 20020108; CA 2362595 A1 20000908; CN 1145442 C 20040414; CN 1342048 A 20020327; CZ 20013125 A3 20020313; CZ 300258 B6 20090401; DE 19909435 A1 20000907; DE 50006246 D1 20040603; EG 22879 A 20031030; EP 1158880 A1 20011205; EP 1158880 B1 20040428; HU P0200098 A2 20020529; JP 2002537880 A 20021112; NO 20014271 D0 20010903; NO 20014271 L 20011101; PL 350320 A1 20021202; RU 2233605 C2 20040810; TR 200102571 T2 20020121; TW 427890 B 20010401; WO 0051462 A1 20000908; ZA 200107073 B 20030226

DOCDB simple family (application)

US 91445001 A 20010828; AR P000100972 A 20000303; AT 00910706 T 20000224; AU 3282000 A 20000224; BR 0008742 A 20000224; CA 2362595 A 20000224; CN 00804620 A 20000224; CZ 20013125 A 20000224; DE 19909435 A 19990304; DE 50006246 T 20000224; EG 20000270 A 20000304; EP 0001533 W 20000224; EP 00910706 A 20000224; HU P0200098 A 20000224; JP 2000601940 A 20000224; NO 20014271 A 20010903; PL 35032000 A 20000224; RU 2001126729 A 20000224; TR 200102571 T 20000224; TW 89103017 A 20000222; ZA 200107073 A 20010827