

Title (en)  
METHOD FOR PRODUCTION OF A MULTI-LAYER CARBON BRUSH

Title (de)  
VERFAHREN ZUR HERSTELLUNG EINER MEHRSCICHT-KOHLEBÜRSTE

Title (fr)  
PROCEDE DE FABRICATION D'UN BALAI DE CHARBON MULTICOUCHE

Publication  
**EP 1481449 A1 20041201 (DE)**

Application  
**EP 03706598 A 20030303**

Priority  
• DE 10209199 A 20020304  
• EP 0302137 W 20030303

Abstract (en)  
[origin: WO03075417A1] The invention relates to a method for production of a multi-layer carbon brush (10), comprising at least two electrically-conducting functional layers (12, 14, 16) made from carbon material and at least one insulation layer made from an electrically-insulating material, running between consecutive functional layers. According to the invention, the corresponding multi-layer carbon brushes and the layers with desired thickness can be produced, whereby the carbon material and the electrically-insulating material are applied in a mould in a sequence corresponding to the layer sequence of the multi-layer carbon brush for production (10), in powder form, then pressed and finally heat-treated.

IPC 1-7  
**H01R 39/20**; **H01R 39/46**; **H01R 43/12**

IPC 8 full level  
**H01R 39/20** (2006.01); **H01R 39/46** (2006.01); **H01R 43/12** (2006.01); **H02K 13/00** (2006.01); **H02K 15/02** (2006.01)

CPC (source: EP KR US)  
**H01R 39/20** (2013.01 - EP KR US); **H01R 39/46** (2013.01 - EP US); **H01R 43/12** (2013.01 - EP KR US); **Y10T 29/49002** (2015.01 - EP US); **Y10T 29/49009** (2015.01 - EP US); **Y10T 29/49119** (2015.01 - EP US)

Citation (search report)  
See references of WO 03075417A1

Cited by  
EP3018772A1; DE102014116114A1

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 PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 03075417 A1 20030912**; AT E370536 T1 20070915; AU 2003208783 A1 20030916; CN 100477415 C 20090408; CN 1639925 A 20050713; DE 10209199 A1 20031002; DE 50307958 D1 20070927; EP 1481449 A1 20041201; EP 1481449 B1 20070815; JP 2005519444 A 20050630; KR 100928851 B1 20091130; KR 20040104477 A 20041210; US 2005223538 A1 20051013; US 7308759 B2 20071218

DOCDB simple family (application)  
**EP 0302137 W 20030303**; AT 03706598 T 20030303; AU 2003208783 A 20030303; CN 03805245 A 20030303; DE 10209199 A 20020304; DE 50307958 T 20030303; EP 03706598 A 20030303; JP 2003573749 A 20030303; KR 20047013767 A 20030303; US 50545404 A 20041124