

Title (en)
BRUSH MANUFACTURING METHOD AND BRUSH

Title (de)
BÜRSTENHERSTELLUNGSVERFAHREN UND BÜRSTE

Title (fr)
PROCÉDÉ DE FABRICATION DE BROSSE ET BROSSE CORRESPONDANTE

Publication
EP 3011863 A4 20161026 (EN)

Application
EP 14814127 A 20140320

Priority
• JP 2013127469 A 20130618
• JP 2014057698 W 20140320

Abstract (en)
[origin: EP3011863A1] PROBLEM TO BE SOLVED To provide a method for manufacturing a brush efficiently and without skill in which brush bristles are extending radially to form a plurality of spirals around core wires. SOLVING MEANS A plurality of bristle and core wire combination bodies 7 each comprising a bristle 6 of resilient wire formed into the shape of coil and a core wire 2 of metal passed through the loops of the bristle are formed. The same number of other core wires 3 of metal as the combination bodies 7 are prepared. A core wire assembly 8 is formed by approaching the core wires 2 of said combination bodies 7 and the other core wires 3, and placing in the direction of rotation of twisting alternately. A twisted wire body 10 is formed by twisting the core wire assembly 8 continuously in the longitudinal direction, in which a large number of loops 9 of the bristles are arranged in a spiral shape in the longitudinal direction along the twist of the core wires 2, 3. A plurality of rows of spiral brush bristles are formed by cutting the loops 9 of the bristles of the twisted wire body 10.

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CPC (source: EP US)
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Citation (search report)
• [XYI] US 138317 A 18730429
• [X] JP 2011188997 A 20110929 - NIIZAKI YUICHIRO, et al
• [Y] US 3233943 A 19660208 - PETERSON HAROLD C
• [AD] JP 2006262984 A 20061005 - DHC CO, et al
• [A] JP H07246114 A 19950926 - HASHIMOTO HIDEAKI
• [A] US 359847 A 18870322
• See references of WO 2014203576A1

Designated contracting state (EPC)
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