

Title (en)

Manufacture of armatures for solenoid assemblies in a matrix print head, and armature of the clapper type.

Title (de)

Verfahren zum Herstellen von Ankern des Elektromagnetspulen-Anker-Systems für Matrixdruckköpfe und Anker, insbes. der Klappankerbauart.

Title (fr)

Procédé de fabrication d'armatures pour système de solénoïde pour tête d'impression matricielle et armature du type battant.

Publication

EP 0338175 A1 19891025 (DE)

Application

EP 88730094 A 19880422

Priority

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Abstract (en)

[origin: JPH0211336A] PURPOSE: To realize a permanent and lightweight laminated armature having a smooth outer surface by forming at least one molded recessed part to the first outside surface of a plate-shaped molding material and forming the projected part fitted in the recessed part to the outside surface of a second plate-shaped molding material. CONSTITUTION: Individual plate-shaped molding materials 1, 2, 3 are punched by a punching processing machine so as to have an outer shape 4 and a molded recessed part 6 is formed to the first outside surface 5 of the plate-shaped molding material 1 by a press processing machine. The molded recessed part 6 is formed as a recessed part without piercing the plate-shaped molding materials 1, 2 and, therefore, a projected part 8 is positioned on the second outside surface 7 of the plate-shaped molding material 3 in concentric relation to the recessed part 6. The size, cross-sectional shape and production common difference of the projected part 8 are determined so that the projected parts 8 of the respective plate-shaped molding materials 1, 2 are engaged with the recessed part of each of the adjacent plate-shaped molding materials 1, 2, 3, that is, the molded recessed part 6 and, therefore, engaging connection is formed between two mutually adjacent plate-shaped molding materials. The plate-shaped molding materials 1, 2, 3 are laminated to form an armature 9.

Abstract (de)

Bei einem Verfahren zum Herstellen von Ankern aus Blechformteilen nach Art von lamellierten Induktoren werden beim Stanzen der Blechformteile (1,2,3) Formöffnungen bzw. Einprägungen (6) und gegenüberliegend jeweils Vorsprünge (8) geformt, wobei die Vorsprünge (8) in die Formöffnungen bzw. Einprägungen (6) des anliegenden Blechformteils (1,2,3) eingreifen und eine formschlüssige mechanische Verbindung bilden und anschließend wird das Blechformteile-Paket (11) durch Kleben, thermisches Anschmelzen u.dgl. gegen Lösen der formschlüssigen Verbindung (10) gesichert.

IPC 1-7

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IPC 8 full level

B41J 2/28 (2006.01); **B41J 2/275** (2006.01); **H01F 3/02** (2006.01); **H01F 7/06** (2006.01); **H01F 41/02** (2006.01)

CPC (source: EP US)

B41J 2/275 (2013.01 - EP US); **H01F 3/02** (2013.01 - EP US)

Citation (search report)

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DOCDB simple family (application)

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