

Title (en)
Current-conductive coil and method for manufacturing the same.

Title (de)
Stromleitende Wicklung und Verfahren zu ihrer Herstellung.

Title (fr)
Enroulement conducteur de courant et procédé de fabrication de celui-ci.

Publication
EP 0116367 A1 19840822 (EN)

Application
EP 84101233 A 19840207

Priority
JP 2058883 A 19830210

Abstract (en)
A hollow conductor (22) which is rectangular in section is wound in a spiral to form a single pancake coil (20). A prepreg tape (40) is sandwiched between the already-wound portion (28) and the to-be-wound portion (30) of the conductor (22) when the conductor is wound. The single pancake coil (20) which has been wound with the prepreg tape (40) sandwiched is press-fixed by a metal frame, for example, and then heated, whereby resin impregnated in the prepreg tape is made liquid to fill between the overlapped faces of the conductor (22) so as to make the conductor (22) adhered at its overlapped faces and to electrically insulate one of the overlapped faces from the other. In the case of coaxially putting the single pancake coils (20) one upon the other to form a double pancake coil, a prepreg sheet (42) is sandwiched between the single pancake coils (20) and then heated to fix the single pancake coils with each other and to insulate the single pancake coils from each other.

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H01F 41/12; **H01F 5/06**

IPC 8 full level
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CPC (source: EP)
H01F 5/06 (2013.01); **H01F 41/122** (2013.01)

Citation (search report)

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- [Y] PATENTS ABSTRACTS OF JAPAN, vol. 3, no. 13 (E-88), 7th February 1979, page 115 E 88 & JP - A - 53 141 401 (HITACHI SEISAKUSHO K.K.) 09-12-1978
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