

Title (en)  
IMPROVEMENTS IN AND RELATING TO COILS

Title (de)  
ELEKTRISCHE SPULEN

Title (fr)  
AMELIORATIONS RELATIVES A DES BOBINES

Publication  
**EP 0941544 A1 19990915 (EN)**

Application  
**EP 97913299 A 19971126**

Priority  
• GB 9703168 W 19971126  
• GB 9624586 A 19961127

Abstract (en)  
[origin: WO9824098A1] The invention aims to provide coils for inductance applications or magnetic field generation suitable for use in high temperature coils. The invention provides the coil by a non-winding process, in which the conductor path is formed by depositing or removing material served to form a conductor path in its configuration of use relative to other parts of that conductor path. The coil may be formed of one or more elements formed in this way. The conductor paths in individual elements are connected to one another such that the current flows in a consistent sense between layers. A core provided in this way is less susceptible to damage to its insulating or anti-corrosion coatings than a coil produced by coiling a conductor into the coil configuration following insulation and/or anti-corrosion coating. Far higher levels of coil packing are also possible using this construction.

IPC 1-7  
**H01F 41/04**; **H01F 27/28**

IPC 8 full level  
**H01F 17/02** (2006.01); **H01F 27/28** (2006.01); **H01F 41/04** (2006.01)

CPC (source: EP)  
**H01F 27/2823** (2013.01); **H01F 41/04** (2013.01)

Citation (search report)  
See references of WO 9824098A1

Designated contracting state (EPC)  
DE FR GB

DOCDB simple family (publication)  
**WO 9824098 A1 19980604**; AU 5059998 A 19980622; EP 0941544 A1 19990915; GB 9624586 D0 19970115; JP 2001504642 A 20010403

DOCDB simple family (application)  
**GB 9703168 W 19971126**; AU 5059998 A 19971126; EP 97913299 A 19971126; GB 9624586 A 19961127; JP 52439198 A 19971126