

Title (en)
INDUCTOR

Title (de)
DROSSELSPULE

Title (fr)
BOBINE D'INDUCTANCE

Publication
EP 0934594 A1 19990811 (EN)

Application
EP 97909504 A 19971024

Priority
• GB 9702937 W 19971024
• GB 9622344 A 19961028

Abstract (en)
[origin: GB2318691A] An inductor and a method of its manufacture is disclosed in which the inductor is suitable for use in a filter arrangement separating or combining low frequency mains electricity signals and high frequency telecommunication signals for transmission on a network. The inductor comprises an elongate conductor 10 with at least part of the conductive bar being surrounded by a sleeve 20 such that there is substantially no electrical conduction path through the sleeve 20 in a direction away from the conductor 10. The conductor 10 may have a rectangular cross section and the sleeve 20 may be made from a magnetically permeable material such as ferrite to reduce the skin effect which occurs at high frequencies. Insulating material may be used to separate a sleeve which is made from a semiconductive or conductive material from the said elongate conductor 10.

IPC 1-7
H01F 17/06; **H01F 37/00**

IPC 8 full level
H01F 27/28 (2006.01); **H01F 17/04** (2006.01); **H01F 17/06** (2006.01); **H01F 37/00** (2006.01)

CPC (source: EP)
H01F 17/06 (2013.01); **H01F 37/00** (2013.01); **H01F 2017/065** (2013.01)

Citation (search report)
See references of WO 9819318A1

Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
GB 2318691 A 19980429; **GB 9722429 D0 19971224**; AR 009392 A1 20000412; AU 4717797 A 19980522; BR 9712448 A 19991019; CA 2268716 A1 19980507; CZ 149699 A3 19991013; EP 0934594 A1 19990811; GB 9622344 D0 19970108; JP 2001503201 A 20010306; NO 991991 D0 19990427; NO 991991 L 19990427; PL 333065 A1 19991108; WO 9819318 A1 19980507; ZA 979603 B 19990428

DOCDB simple family (application)
GB 9722429 A 19971023; AR P970104960 A 19971027; AU 4717797 A 19971024; BR 9712448 A 19971024; CA 2268716 A 19971024; CZ 149699 A 19971024; EP 97909504 A 19971024; GB 9622344 A 19961028; GB 9702937 W 19971024; JP 52017798 A 19971024; NO 991991 A 19990427; PL 33306597 A 19971024; ZA 979603 A 19971027