

Title (en)  
HIGH VOLTAGE INDUCTION DEVICE

Title (de)  
HOCHSPANNUNGS-INDUKTIONSVORRICHTUNG

Title (fr)  
DISPOSITIF D'INDUCTION HAUTE TENSION

Publication  
**EP 1034549 A1 20000913 (EN)**

Application  
**EP 98964466 A 19981130**

Priority  
• EP 9807739 W 19981130  
• GB 9725317 A 19971128

Abstract (en)  
[origin: GB2332557A] A high voltage induction device including a power cable (12) comprising inner conducting means (13-15) and outer electrical insulation (20-22) having spaced apart inner and outer layers (20, 21) of semiconducting material and, positioned between the inner and outer layers, an intermediate layer (22) of electrically insulating material. The conducting means comprises conductor means (14) and cooling means (13) for cooling the conductor means (14) to improve the electrical conductivity of the conductor means. The inner layer (20) of semiconducting material is electrically connected to the conductor means and the outer layer (21) of semiconducting material is at a controlled electric potential along its length.

IPC 1-7  
**H01F 36/00**; **H02K 3/40**; **H01F 6/04**

IPC 8 full level  
**H01F 6/04** (2006.01); **H01F 36/00** (2006.01); **H02K 3/40** (2006.01)

CPC (source: EP)  
**H01F 6/04** (2013.01); **H01F 36/00** (2013.01); **H02K 3/40** (2013.01); **H02K 2203/15** (2013.01); **Y02E 40/60** (2013.01)

Citation (search report)  
See references of WO 9928930A1

Designated contracting state (EPC)  
CH DE FR GB IT LI SE

DOCDB simple family (publication)  
**GB 2332557 A 19990623**; **GB 2332557 A9**; **GB 9725317 D0 19980128**; AU 1965599 A 19990616; CN 1279818 A 20010110; EP 1034549 A1 20000913; JP 2001525609 A 20011211; WO 9928930 A1 19990610; ZA 9810938 B 19990531

DOCDB simple family (application)  
**GB 9725317 A 19971128**; AU 1965599 A 19981130; CN 98811511 A 19981130; EP 9807739 W 19981130; EP 98964466 A 19981130; JP 2000523685 A 19981130; ZA 9810938 A 19981130