

Title (en)

Electrical insulation and cooling material for a high-voltage supply device

Title (de)

Elektroisolier- und Kühlmaterial für eine Hochspannungsversorgungsvorrichtung

Title (fr)

Matériau d'isolation électrique et de refroidissement pour un dispositif d'alimentation haute tension

Publication

**EP 0993238 A1 20000412 (EN)**

Application

**EP 99307849 A 19991005**

Priority

FR 9812443 A 19981005

Abstract (en)

Insulation and cooling material for high-voltage supply devices is a composite of at least one thermoplastic polymer and of at least one particulate ceramic filler so that the material has a thermal conductivity of at least 0.9 W/M.K. The thermoplastic polymer may be polypropylenes, poly(etherimides), poly(phenylsulphides) and poly(etherimide)/poly(phenyl-sulphide) mixtures. The particulate ceramic fillers may be alumina, aluminum nitride, boron nitride, barium sulphate and beryllium oxide and mixtures thereof. The high-voltage supply device is intended for X-ray tubes.  
<IMAGE>

IPC 1-7

**H05G 1/04**; **H01B 3/42**

IPC 8 full level

**H01B 3/00** (2006.01); **H01B 3/12** (2006.01); **H01B 3/42** (2006.01); **H01B 3/44** (2006.01); **H05G 1/02** (2006.01); **H05G 1/04** (2006.01)

CPC (source: EP KR)

**H01B 3/12** (2013.01 - KR); **H01B 3/427** (2013.01 - EP); **H01B 3/441** (2013.01 - EP); **H01B 3/445** (2013.01 - EP); **H05G 1/025** (2013.01 - EP); **H05G 1/04** (2013.01 - EP)

Citation (search report)

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