

Title (en)
Electrically conductive fibre.

Title (de)
Elektrisch leitfähige Faser.

Title (fr)
Fibre électriquement conductrice.

Publication
EP 0308234 A1 19890322 (EN)

Application
EP 88308563 A 19880916

Priority
GB 8721891 A 19870917

Abstract (en)
An electrically conductive material, particularly an electrically conductive fibre, comprises a polymeric material modified by reaction with the reaction product of a mono- or polyfunctional amine with cyanamide, dicyandiamide, guanidine or bisguanidine, or a salt thereof, and impregnated with copper sulphide. The fibre can be produced by a method which comprises (a) treating a fibre with an aqueous solution of the said reaction product to form a modified fibre; and (b) treating the modified fibre with an aqueous solution or solutions of a copper salt, a reducing agent and a sulphur-containing compound capable together of forming copper sulphide which is adsorbed onto the modified fibre. The fibre is useful in providing anti-static or static-dissipative properties in textile, paper and other products. c

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