

Title (en)

Resistors, methods of forming said resistors, and articles comprising said resistors.

Title (de)

Widerstände, Verfahren zum Herstellen dieser Widerstände und diese Widerstände enthaltende Gegenstände.

Title (fr)

Résistances, leur méthode de fabrication et articles les comprenant.

Publication

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Application

EP 84308273 A 19841129

Priority

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Abstract (en)

This invention concerns resistor compositions, methods of forming such resistor compositions, and articles comprising a substrate carrying such resistor compositions. The resistor compositions of the invention comprise carbon particles embedded in a matrix formed from short chain-length phenolic resin, long chain-length phenolic resin, epoxy and, optionally filler. The resistor compositions of the invention can be formed by mixing short chain-length phenolic resin, long chain-length phenolic resin, solvent, and, if present, filler with carbon particles to form a solution which is then mixed with the epoxy to form an ink. The ink is applied to a substrate to form a film thereon which is cured to evaporate solvent and to allow polymerization to occur thereby leaving the resistor composition on the substrate.

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