

Title (en)

ELECTRICALLY CONDUCTIVE COMPOSITIONS AND METHOD FOR THE PRODUCTION AND USE THEREOF

Title (de)

ELEKRISCH LEITFÄHIGE ZUSAMMENSETZUNGEN UND VERFAHREN ZU DEREN HERSTELLUNG UND DEREN VERWENDUNG

Title (fr)

COMPOSITIONS ELECTRIQUEMENT CONDUCTRICES, LEURS PROCEDES DE PRODUCTION ET LEUR UTILISATION

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Application

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Abstract (en)

[origin: WO03005378A1] The invention relates to electrically conductive compositions made of selected thermoplastic polymers and expanded graphite, the percentage of the expanded graphite is less than 10 wt.-% and the specific transversal resistance of the composition is, at most, $10 < 10 > \text{ohm} \cdot \text{cm}$. The invention also relates to a method whereby at least one thermoplastic polymer is produced by mixing the components of the polymer in the liquid melt phase with the expanded graphite at temperatures of between 150 DEG C - 400 DEG C.

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