

Additive formulation suited for anti-static finishing and improvement of the electrical conductivity of inanimate organic material

Abstract

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An additive formulation suitable for antistatic modification and improving the electrical conductivity of inanimate organic material, consisting essentially of

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(A) from 1 to 50% by weight of an olefin-sulfur dioxide copolymer,

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(B) from 1 to 50% by weight of a compound which comprises one or more basic nitrogen atoms and has at least one relatively long-chain linear or branched hydrocarbon radical having at least four carbon atoms or an equivalent structural element which ensures the solubility of component (B) in the inanimate organic material,

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(C) from 0.1 to 30% by weight of an oil-soluble acid and

(D) from 1 to 80% by weight of a high-boiling organic solvent which consists of one or more molecule types, where at least 80% by weight of these molecule types have a boiling point of more than 150°C at standard pressure,

where the sum of all components adds up to 100% by weight.

No suitable figure