

Title (en)

Coating powders comprising macrocyclic oligomers

Title (de)

Pulverlacke, die makrocyclische Oligomere enthalten

Title (fr)

Poudres de revêtement contenant des oligomères macrocycliques

Publication

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Application

EP 00310839 A 20001207

Priority

- CA 2351952 A 20010627
- US 46740799 A 19991220

Abstract (en)

[origin: EP1111012A1] A coating powder comprising a macrocyclic oligomer and a ring-opening polymerization agent is applied to an article, fused, and converted to a linear polymer at a temperature of from about 160 to about 400 DEG C. The powder has the low melt viscosity and friability of a thermoset powder but is converted at high fusing temperatures to a tough coating having the good impact resistance and good elongation of a thermoplastic powder. The oligomer is a polyester, polycarbonate, polyamide, polyimide, polyamideimide. The article may be coated electrostatically or in a fluidized bed.

IPC 1-7

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IPC 8 full level

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CPC (source: EP US)

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Cited by

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