

Title (en)

NON-IRIDESCENT FILM WITH POLYMERIC PARTICLES IN PRIMER LAYER

Title (de)

NICHTIRISIERENDER FILM MIT POLYMERTEILCHEN IN GRUNDIERUNGSSCHICHT

Title (fr)

FILM NON IRISÉ AYANT DES PARTICULES POLYMÈRES DANS LA COUCHE DE PRIMAIRE

Publication

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Application

EP 13858125 A 20131119

Priority

- US 201213688181 A 20121128
- US 2013070769 W 20131119

Abstract (en)

[origin: WO2014085139A1] This invention relates to an optically clear film of predominantly thermoplastic polyester base layer and a carbodiimide-crosslinked, polyester and polymethylmethacrylate blend primer layer. The base layer preferably has a particle-free core layer and outer layers containing nonpolyester, organic and/or inorganic particles. The primer layer is preferably applied to the base layer from solution that is organic solvent-free. The primer layer and base layer composite can be laminated with a protective layer of primarily acrylic polymer to form a solar control film. Functional additives, such as UV light blockers, can be present in various layers of the solar control film. Polymethylmethacrylate in the primer, especially in combination with crosslinking by the carbodiimide, provides the acrylic coated polyester base solar control film with notably reduced iridescence. Adhesion between the acrylic layer applied from organic solvent solutions and the polyester layers is durable in moist and warm service conditions.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2014085139A1

Cited by

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