

Title (en)

Molecular grafting of carboxyl reactive hardeners to energetically treated polyesters to promote adhesion of layers

Title (de)

Molekular-Grafting von gegenüber Carboxyl reaktiven Härtern zu Energie-behandelten Polyestern zur Förderung des Adhäsion von Schichten

Title (fr)

Greffage moléculaire de durcisseurs réactifs vis à vis carboxyl sur polyesters prétraités avec une source d'énergie pour promouvoir l'adhésion de couches

Publication

EP 0785465 A1 19970723 (EN)

Application

EP 97200037 A 19970108

Priority

US 58904696 A 19960119

Abstract (en)

The present invention comprises a polyester film support in which the surface has been subjected to an energetic treatment to produce carboxyl groups on the polyester surface. The treated surface is then coated with a dilute solution of carboxyl reactive hardener and solvent (e.g., water) or a blend of carboxyl reactive hardener and gelatin and solvent (e.g., water). After drying the hardener or hardener/gelatin coated support, a photographic emulsion is coated on the surface. The resulting film element has excellent adhesion of the photographic emulsion after photoprocessing. Furthermore, the support coated with hardener/gelatin blend is safer to coat and handle than previously known methods involving grafting of hardener directly to the support. <IMAGE>

IPC 1-7

G03C 1/91

IPC 8 full level

G03C 1/30 (2006.01); **G03C 1/795** (2006.01); **G03C 1/91** (2006.01)

CPC (source: EP)

G03C 1/915 (2013.01); **G03C 1/30** (2013.01)

Citation (applicant)

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Citation (search report)

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