

Title (en)

Use of graft copolymers for the manufacture of relief laser-markable elements

Title (de)

Verwendung von Pfropfcopolymeren zur Herstellung lasergravierbarer Reliefdruckelementen

Title (fr)

Utilisation de copolymères greffés pour la fabrication d'éléments marquables au laser en relief

Publication

EP 1136254 A2 20010926 (DE)

Application

EP 01106885 A 20010320

Priority

- DE 10014049 A 20000323
- DE 10040926 A 20000818

Abstract (en)

Graft copolymers (I) produced by radical polymerization of vinyl esters in the presence of polyalkylene oxides followed by at least partial hydrolysis of the ester functions are used to produce laser-engravable relief printing plates. An Independent claim is also included for a process for producing flexographic printing plates, comprising laser engraving of a relief in a laser-engravable element comprising a crosslinked relief layer comprising (I) and optionally an infrared absorber on a dimensionally stable transparent or metal support.

Abstract (de)

Verwendung von Pfropfcopolymeren zur Herstellung lasergravierbarer Reliefdruckformen, wobei die Pfropfcopolymere durch radikalische Polymerisation von Vinylestern in Gegenwart von Polyalkylenoxiden und anschließender Verseifung der Esterfunktion erhalten werden. Verfahren zur Herstellung von transparenten Flexodruckformen mittels Lasergravur unter Verwendung besagter Pfropfcopolymerer.

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IPC 8 full level

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CPC (source: EP US)

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Cited by

US7290487B2; EP1985289A3; CN102517568A; EP2236290A1; EP1516745A4; CN104981355A; US7255976B2; US8663684B2; US7479476B2; WO0217020A1; WO03070224A1; WO03045693A1; US7033724B2; US8545661B2; WO2008080774A1; WO2008025508A1

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