

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 A3 20020911 (DE)**

Application

**EP 01106885 A 20010320**

Priority

- DE 10014049 A 20000323
- DE 10040926 A 20000818

Abstract (en)

[origin: EP1136254A2] 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.

IPC 1-7

**B41C 1/05**; **B41N 1/06**

IPC 8 full level

**B41C 1/05** (2006.01); **B41N 1/06** (2006.01); **B41N 1/12** (2006.01); **C08F 8/00** (2006.01); **C08F 8/12** (2006.01); **C08F 283/06** (2006.01)

CPC (source: EP US)

**B41C 1/05** (2013.01 - EP US); **B41N 1/12** (2013.01 - EP US); **Y10S 430/145** (2013.01 - EP US); **Y10S 430/146** (2013.01 - EP US)

Citation (search report)

- [XA] EP 0767407 A1 19970409 - BASF LACKE & FARBEN [DE]
- [DX] EP 0224164 A2 19870603 - BASF AG [DE]
- [A] WO 9323252 A1 19931125 - DU PONT [US]

Cited by

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

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