

Title (en)
METHOD FOR THE PRODUCTION OF THERMALLY CROSS-LINKED LASER ENGRAVABLE FLEXOGRAPHIC ELEMENTS AND MULTI-LAYER COMPOSITES

Title (de)
VERFAHREN ZUR HERSTELLUNG VON THERMISCH VERNETZTEN, LASERGRAVIERBAREN FLEXODRUCKELEMENTEN UNDMEHRSCHICHTVERBUNDE

Title (fr)
PROCEDE DE PRODUCTION D'ELEMENTS FLEXOGRAPHIQUES A RETICULATION THERMIQUE ET POUVANT ETRE GRAVES PAR LASER ET COMPOSITES MULTICOUCHES

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Application
EP 02702237 A 20020107

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• EP 0200066 W 20020107

Abstract (en)
[origin: WO02054154A2] Disclosed is a method for the production of a laser engravable flexographic element with a thermally cross-linked elastomer laser engravable relief-forming layer (E), comprising the following steps: (i) production of a multilayer composite at least comprising one two-layer composite made of a deposit layer (D) and a non cross-linked precursor layer (V) for the relief-forming layer (E) disposed in a directly adjacent position with respect to the deposit layer (D), and optionally other layers, carrier films and/or protective films, whereby the precursor layer (V) contains (a) at least one elastomer binding agent, (b) at least one ethylenically unsaturated monomer, (c) optionally one absorber for laser radiation, and (d) optionally other additives and the deposit layer (D) contains at least one elastomer binding agent, (f) at least one thermally decomposing polymerisation initiator, (g) optionally one absorber for laser radiation and (h) other additives; (ii) the thermally decomposing polymerisation initiators are allowed to diffuse inwards into the precursor layer (V) from the deposit layer (D); (iii) the deposit layer (D) is optionally removed; and (iv) the precursor layer (V) is thermally cross-linked to the cross-linked elastomer laser engravable relief-forming layer (E).

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