

Title (en)

Process for mounting a printing plate on a relief printing cylinder and the relief printing cylinder

Title (de)

Verfahren zum Anbringen einer Klischeeplatte auf einem Patrizien-Zylinder sowie Patrizien-Zylinder

Title (fr)

Procédé pour la fixation d'une plaque d'impression sur un cylindre pour l'impression en relief et cylindre pour l'impression en relief

Publication

EP 1068961 A3 20030618 (DE)

Application

EP 00890202 A 20000628

Priority

AT 48799 U 19990715

Abstract (en)

[origin: EP1068961A2] Mounting of a plate (4) having an embossed relief (7) onto a patrix cylinder (2) which turns synchronously with a co-operating matrix cylinder (3) in a rotary embossing machine is achieved by first provisionally fixing plate (4), which has an adhesive (6) on its reverse side, to the matrix cylinder (3) and then transferring it to the patrix cylinder (2) making use of the fact that the provisional bond is of lower strength than the bond between plate (4) and adhesive (6). Mounting of a plate (4) having an embossed relief (7) onto a patrix cylinder (2) which turns synchronously with a co-operating matrix cylinder (3) in a rotary embossing machine is achieved by first provisionally fixing plate (4), which has an adhesive (6) on its reverse side, to the matrix cylinder (3), the embossed side facing the matrix and the bonding being at each negative form (5) corresponding to the relief (7). The adhesive strength of this provisional bond is less than that between the layer (6) and the plate (4), and plate (4) is transferred to the patrix cylinder (2) by synchronous turning of the cylinders (2 and 3) such that the plate (4) is detached from the matrix cylinder (3) and automatically stuck via adhesive (6) to the patrix cylinder (2) at the appropriate positions. An Independent claim is also included for a patrix cylinder (2) having fixed to it a plate (4) with an embossed relief (7) on its outer side.

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Citation (search report)

- [XAY] EP 0773105 A1 19970514 - IRETON ROBERT E [US]
- [Y] EP 0452808 A2 19911023 - LINTEC CORP [JP]
- [XA] US 4589338 A 19860520 - COLLINS BILLY [CA], et al
- [XA] GB 1414959 A 19751119 - JACKSON J M

Cited by

DE102005037494A1; CN107901595A; WO03057497A1; WO2006077134A1

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