

Title (en)

Method for duplex printing and/or coating of a substrate

Title (de)

Verfahren zum doppelseitigen Bedrucken und/oder Beschichten eines Substrats

Title (fr)

Méthode d'impression et/ou revêtement recto-verso d'un substrat

Publication

EP 1217467 A3 20060315 (DE)

Application

EP 01127118 A 20011115

Priority

DE 10064560 A 20001222

Abstract (en)

[origin: EP1217467A2] Method in which a first side of the medium is printed using toner by heating to the glass changeover temperature so that the toner is fixed to the medium. The glass changeover temperature increases during this stage as the polymer chains form a network and higher viscosity results. The second side is now printed in the same manner with the image on the first side unaffected because of its higher changeover temperature.

IPC 8 full level

G03G 15/00 (2006.01); **G03G 15/23** (2006.01); **G03G 9/13** (2006.01); **G03G 15/20** (2006.01)

CPC (source: EP US)

G03G 15/2007 (2013.01 - EP US); **G03G 15/2039** (2013.01 - EP US); **G03G 15/2098** (2021.01 - EP US); **G03G 15/238** (2013.01 - EP US); **G03G 2215/00021** (2013.01 - EP US); **G03G 2215/2083** (2013.01 - EP US)

Citation (search report)

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- [A] US 3578797 A 19710518 - HODGES HOWARD T, et al
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- [Y] SCHULZE-HAGENEST D ET AL: "UV-CURED TONERS FOR PRINTING AND COATING ON PAPER-LIKE SUBSTRATES", INTERNATIONAL CONFERENCE ON DIGITAL PRINTING TECHNOLOGIES. T-8 INTRODUCTION TO DIGITAL HALFTONING. TUTORIAL NOTES. SEATTLE, WA, NOV. 2, 1997, SPRINGFIELD, VA : IS&T, US, 2 November 1997 (1997-11-02), pages 168 - 172, XP001058422
- [Y] PATENT ABSTRACTS OF JAPAN vol. 1997, no. 08 29 August 1997 (1997-08-29)
- [A] PATENT ABSTRACTS OF JAPAN vol. 015, no. 338 (P - 1243) 27 August 1991 (1991-08-27)
- [A] PATENT ABSTRACTS OF JAPAN vol. 1998, no. 11 30 September 1998 (1998-09-30)

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