

Title (en)

A method and apparatus for enhancing color fidelity in a printing process.

Title (de)

Verfahren und Vorrichtung zum Verbessern der Farbtreue in einem Druckverfahren.

Title (fr)

Méthode et appareil à augmenter la fidélité des couleurs en un procédé d'imprimer.

Publication

EP 0554981 A1 19930811 (EN)

Application

EP 93300364 A 19930120

Priority

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Abstract (en)

A method and apparatus for enhancing color fidelity in a printing process employing an intermediate member (10) wherein a developing unit (9) deposits a colorless and transparent material directly onto the intermediate member before transfer of any color toner images thereto. Alternatively, a developing unit first deposits the colorless and transparent material on a latent image member. The colorless and transparent material is then transferred to the intermediate member before transfer of any color toner images thereto. Color toner images are then transferred, in registration, onto the intermediate member over the colorless and transparent material, at each of a plurality of image producing stations (20,18,16,14). The resulting combined image, together with at least some of the colorless and transparent material, is then transferred (52) to a copy sheet. The colorless and transparent material provides a glossy appearance to the final image on the copy sheet. <IMAGE>

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G03G 13/01; G03G 15/01

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Citation (search report)

- [XD] US 4935788 A 19900619 - FANTUZZO JOSEPH [US], et al
- [YD] XEROX DISCLOSURE JOURNAL, vol. 2, no. 5, September/October 1977, Rochester, New York, USA S.F. POND "Toner mixture to reduce background transfer effects", page 17
- [YD] XEROX DISCLOSURE JOURNAL, vol. 16, no. 1, January/February 1991, Rochester, New York, USA J. BARES "Color prints with uniform gloss", page 69
- [AD] PATENT ABSTRACTS OF JAPAN, unexamined applications, P section, vol. 14, no. 494, October 26, 1990 THE PATENT OFFICE JAPANESE GOVERNMENT page 23 P 1123

Cited by

EP1205809A3; US5702852A; US5794111A; US5737677A; EP2670597A4; WO2012105948A1

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