

Title (en)

Method for controlling gloss of a toner image and digital image forming apparatus

Title (de)

Verfahren zur Steuerung des Glanzes eines Tonerbildes und digitale Bildaufzeichnungsvorrichtung

Title (fr)

Méthode de contrôle de la brillance d'une image de toner et dispositif de formation d'images digital

Publication

EP 1217458 A3 20060201 (DE)

Application

EP 01127117 A 20011115

Priority

DE 10064566 A 20001222

Abstract (en)

[origin: EP1217458A2] Method for controlling the glare on an image carrier substrate (9) such as paper in which after the toner image has been fixed on the substrate by heating, the toner image is again heated so that its surface or the region near to its surface is either completely, or nearly completely melted. The length and duration of the melting is dependent on the desired glare to be produced by the toner image. An Independent claim is made for a digital imaging device especially an electrographic or an electrophotographic printer or copier with a radiation device such as a xenon or mercury-xenon discharge lamp for providing electromagnetic heating of the toner image.

IPC 8 full level

G03G 15/20 (2006.01); **H05B 3/00** (2006.01)

CPC (source: EP US)

G03G 15/2007 (2013.01 - EP US); **G03G 15/205** (2013.01 - EP US); **G03G 15/2064** (2013.01 - EP US); **G03G 2215/00805** (2013.01 - EP US); **G03G 2215/0081** (2013.01 - EP US)

Citation (search report)

- [Y] US 4444487 A 19840424 - MILLER JOEL S [US], et al
- [A] GB 1207139 A 19700930 - RANK XEROX LTD [GB]
- [XAY] PATENT ABSTRACTS OF JAPAN vol. 017, no. 543 (P - 1622) 29 September 1993 (1993-09-29)
- [XY] PATENT ABSTRACTS OF JAPAN vol. 015, no. 492 (P - 1287) 12 December 1991 (1991-12-12)
- [A] PATENT ABSTRACTS OF JAPAN vol. 1998, no. 10 31 August 1998 (1998-08-31)
- [A] PATENT ABSTRACTS OF JAPAN vol. 017, no. 020 (P - 1469) 14 January 1993 (1993-01-14)

Cited by

CN102317872A; EP2179855A3; US8548368B2; WO2010091964A1

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