

Title (en)

Image receiving sheet for fixing belt type electrophotography and image forming method using the same

Title (de)

Bildempfangsblatt für Elektrophotographie wobei ein Fixierungsriemen eingesetzt wird, sowie ein bildformendes Verfahren wobei genanntes Bildempfangsblatt benutzt wird

Title (fr)

Feuille réceptrice d' images pour électrophotographie utilisant une courroie de fixation, et méthode de formation d' images utilisant une telle feuille

Publication

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Application

EP 03250920 A 20030214

Priority

- JP 2002038151 A 20020215
- JP 2002242875 A 20020823
- JP 2002367099 A 20021218

Abstract (en)

An electrophotographic image receiving sheet with a toner image receiving layer containing a release agent and formed on a support sheet for use in a fixing belt type electrophotography is disclosed. The toner image receiving layer satisfies the following condition: $\gamma_{sp<0>} - \gamma_{sp<1>} \geq 2.5 \text{ mJ/m}^2$ where $\gamma_{sp<0>}$ and $\gamma_{sp<1>}$ are values of a polar component of surface free energy of the image receiving layer before heating the image receiving sheet and after having heated the image receiving sheet to 120 DEG C and then cooled it to 25 DEG C, respectively. The invention also relates to an image forming method using the receiving sheet. <IMAGE>

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G03G 7/00

IPC 8 full level

G03G 7/00 (2006.01)

CPC (source: EP)

G03G 7/00 (2013.01); **G03G 7/0006** (2013.01); **G03G 7/0033** (2013.01); **G03G 7/0046** (2013.01)

Citation (search report)

- [XY] EP 0778500 A1 19970611 - CANON KK [JP]
- [Y] EP 0555750 A2 19930818 - FUJI XEROX CO LTD [JP], et al
- [X] DATABASE WPI Section Ch Week 200165, Derwent World Patents Index; Class A06, AN 2001-573600, XP002242078
- [X] DATABASE WPI Section Ch Week 199841, Derwent World Patents Index; Class A06, AN 1998-471505, XP002242079
- [Y] DATABASE WPI Section Ch Week 199325, Derwent World Patents Index; Class A12, AN 1993-201352, XP002242080

Cited by

EP1400861A3; US7211363B2; US7687136B2; US7754315B2; US7678445B2; US7264867B2; US7147909B2; US7867603B2

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