

Title (en)

IMAGING APPARATUS AND PROCESS WITH INTERMEDIATE TRANSFER ELEMENT

Publication

**EP 0453762 A3 19930428 (EN)**

Application

**EP 91104271 A 19910319**

Priority

US 51340890 A 19900423

Abstract (en)

[origin: EP0453762A2] Disclosed is an imaging apparatus which comprises an imaging member, a means for generating an electrostatic latent image on the imaging member, a means for developing the latent image, an intermediate transfer element having a charge relaxation time of no more than about  $2 \times 10^{-2}$  seconds to which the developed image can be transferred from the imaging member, and a means for transferring the developed image from the intermediate transfer element to a substrate. Also disclosed is an imaging process which comprises generating an electrostatic latent image on an imaging member, developing the latent image, transferring the developed image to an intermediate transfer element having a charge relaxation time of no more than about  $2 \times 10^{-2}$  seconds, which enables the transfer with very high transfer efficiency of the developed image from the intermediate transfer element to a substrate.

IPC 1-7

**G03G 15/16**

IPC 8 full level

**G03G 7/00** (2006.01); **G03G 15/16** (2006.01)

CPC (source: EP)

**G03G 7/004** (2013.01); **G03G 7/0046** (2013.01); **G03G 7/0066** (2013.01); **G03G 7/008** (2013.01); **G03G 15/162** (2013.01)

Citation (search report)

- [X] EP 0332223 A2 19890913 - COLOROCS CORP [US]
- [A] US 4232961 A 19801111 - MASUDA TAKESHI
- [A] US 4674860 A 19870623 - TOKUNAGA HIROSHI [JP], et al
- [A] US 4606955 A 19860819 - EASTMAN PAUL F [US], et al
- [A] GB 2081646 A 19820224 - KONISHIROKU PHOTO IND
- [A] PATENT ABSTRACTS OF JAPAN vol. 13, no. 149 (P-855)12 April 1989 & JP-A-63 311 263 ( TORAY IND. INC. ) 20 December 1988
- [A] PATENT ABSTRACTS OF JAPAN vol. 11, no. 395 (P-650)24 December 1987 & JP-A-62 159 164 ( RICOH CO. LTD. ) 15 July 1987
- [A] PATENT ABSTRACTS OF JAPAN vol. 12, no. 43 (P-664)9 February 1988 & JP-A-62 191 863 ( CANON INC. ) 22 August 1987

Cited by

NL1001471C2; US5357330A; EP0773482A1; FR2715483A1; EP0549195A1; DE10001452A1; DE10001452C2; EP0715229A1; US5715510A; EP0716355A1; US5745831A; DE19849500A1; DE19849500C2; US6487386B1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**EP 0453762 A2 19911030; EP 0453762 A3 19930428; EP 0453762 B1 19960918;** DE 69122156 D1 19961024; DE 69122156 T2 19970130; JP H04230781 A 19920819

DOCDB simple family (application)

**EP 91104271 A 19910319;** DE 69122156 T 19910319; JP 8003391 A 19910412