

Title (en)

PRINTING PRESS USING CHARGE RETAINING MEDIUM, ITS MANUFACTURING METHOD AND STRIPPING SYSTEM USING CHARGE RETAINING MEDIUM

Publication

EP 0444211 A4 19930317 (EN)

Application

EP 90913869 A 19900919

Priority

- JP 24543089 A 19890921
- JP 29916889 A 19891117

Abstract (en)

[origin: WO9104518A1] A photoconductive layer (5) of a photosensitive member (1) and a charge retaining layer (6) of a charge retain medium (2) are so disposed as to face each other with a predetermined distance (d). After a power source (8) is connected, light (9) having a predetermined wavelength is irradiated to the photosensitive member (1) to form an electrostatic latent image in the charge retaining layer (6) of the charge retaining medium (2). Next, the charge retaining medium (2) is disconnected from the power source (8), toner is applied onto the charge retaining layer (6) and development and fixing are carried out. Etching is then conducted using the resulting toner image (16) as a mask to remove the portions of the charge retaining layer (6) to which the toner (16) is not deposited. In this manner a printing plate having a scanned portion formed by the toner (16) and the charge retaining layer (6) on the conductive substrate (7) can be obtained. According to this plate, the toner image is formed directly on the charge retaining layer (6) of the charge retaining medium (2). Therefore, the toner image need not be transferred and a scanned portion having high resolution can be formed.

IPC 1-7

G03G 13/26

IPC 8 full level

G03G 5/02 (2006.01); **G03G 13/26** (2006.01); **G03G 13/28** (2006.01)

CPC (source: EP)

G03G 5/02 (2013.01); **G03G 13/26** (2013.01); **G03G 13/28** (2013.01)

Citation (search report)

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- [X] PATENT ABSTRACTS OF JAPAN vol. 12, no. 295 (P-743)11 August 1988 & JP-A-63 068 858 (DAINIPPON INK & CHEM INC) 28 March 1988
- [X] PATENT ABSTRACTS OF JAPAN vol. 7, no. 265 (M-258)(1410) 25 November 1983 & JP-A-58 145 495 (MITSUBISHI SEISHI) 30 August 1983
- See references of WO 9104518A1

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

WO 9104518 A1 19910404; EP 0444211 A1 19910904; EP 0444211 A4 19930317

DOCDB simple family (application)

JP 9001198 W 19900919; EP 90913869 A 19900919