

Title (en)
Image forming apparatus with exposure through a web type image member

Title (de)
Bilderzeugungsapparat mit Belichtung durch bandförmigen Bildträger

Title (fr)
Dispositif de formation d'image avec exposition à travers un support d'image en forme de bande

Publication
EP 0774698 B1 20010725 (EN)

Application
EP 97100597 A 19940506

Priority
• EP 94107101 A 19940506
• US 6524693 A 19930520
• US 6524893 A 19930520

Abstract (en)
[origin: EP0625730A2] A composite toner image made up of first and second toners is formed on an image member (1). A first electrostatic image of a first polarity is formed on the image member (1). That electrostatic image is toned with a first toner of the first polarity. The image member (1) is imagewise exposed to create a second electrostatic image also of the first polarity. Exposure is overlapped into the portion of the image member (1) under the first toner image to prevent any charge on the photoconductor of the first polarity underneath the first toner image from repelling toner into the portions of the second electrostatic image that are discharged. Preferably, the second exposure is accomplished through the base (3) of the image member in order to thoroughly expose portions of the electrostatic image underneath the first toner image. A web image member (1) is conveniently exposed through its base (3) by a printhead (17) mounted in an assembly (50) including a positioning bar (70) for properly spacing the printhead (17) and a lens 54 from the image member 1. <IMAGE>

IPC 1-7
G03G 15/01; G03G 15/04; G03G 15/32; B41J 2/45

IPC 8 full level
B41J 2/45 (2006.01); **G03G 15/00** (2006.01); **G03G 15/01** (2006.01); **G03G 15/02** (2006.01); **G03G 15/04** (2006.01); **G03G 15/22** (2006.01); **G03G 15/32** (2006.01); **G03G 21/08** (2006.01)

CPC (source: EP)
B41J 2/45 (2013.01); **G03G 15/0157** (2013.01); **G03G 15/0163** (2013.01); **G03G 15/04054** (2013.01); **G03G 15/326** (2013.01); **G03G 2215/017** (2013.01); **G03G 2215/0497** (2013.01)

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
EP 0625730 A2 19941123; **EP 0625730 A3 19950111**; **EP 0625730 B1 19970730**; DE 69404550 D1 19970904; DE 69404550 T2 19980212; DE 69427833 D1 20010830; DE 69427833 T2 20020404; EP 0774698 A2 19970521; EP 0774698 A3 19980422; EP 0774698 B1 20010725; JP H0798529 A 19950411

DOCDB simple family (application)
EP 94107101 A 19940506; DE 69404550 T 19940506; DE 69427833 T 19940506; EP 97100597 A 19940506; JP 10574494 A 19940519