

Title (en)

Color xerographic printer with multiple linear arrays of surface emitting lasers with the same wavelengths

Title (de)

Farbxerographischer Drucker mit vielfachen linearen Reihen von oberflächenemittierenden Lasern mit gleichen Wellenlängen

Title (fr)

Imprimante xérophatique en couleur avec des séries linéaires multiples de lasers à émission par la surface avec des longueurs d'onde similaires

Publication

EP 0782928 B1 20000719 (EN)

Application

EP 96308992 A 19961211

Priority

US 57779395 A 19951222

Abstract (en)

[origin: EP0782928A1] Described herein is a color printer (100) which uses multiple linear arrays (102) of surface emitting lasers of the same wavelength to simultaneously expose widely separated positions on a plurality of photoreceptors (140, 142, 144, 146). Modulated light beams (120, 124, 128, 132) from each array (102) is imaged by a first telecentric spherical lens group (134), an aperture (136) and a second telecentric spherical lens group (138) onto the photoreceptors (140, 142, 144, 146). The modulated light beams (120, 124, 128, 132) are angularly spaced from the aperture (136). The multiple linear arrays (102) can be closely spaced in a monolithic structure. <IMAGE>

IPC 1-7

B41J 2/455

IPC 8 full level

B41J 2/44 (2006.01); **B41J 2/45** (2006.01); **B41J 2/455** (2006.01); **B41J 2/525** (2006.01); **G03G 15/01** (2006.01); **H01S 5/00** (2006.01)

CPC (source: EP)

B41J 2/45 (2013.01)

Cited by

CN107833973A

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0782928 A1 19970709; **EP 0782928 B1 20000719**; DE 69609401 D1 20000824; DE 69609401 T2 20010125; JP H09185207 A 19970715

DOCDB simple family (application)

EP 96308992 A 19961211; DE 69609401 T 19961211; JP 32048796 A 19961129