

Title (en)

Optical writing controller, image forming apparatus, and optical writing control method

Title (de)

Optische Schreibvorrichtung, Bilderzeugungsvorrichtung und optisches Schreibsteuerungsverfahren

Title (fr)

Dispositif d'écriture optique, appareil de formation d'images et procédé d'écriture optique

Publication

EP 2682820 A3 20180103 (EN)

Application

EP 13173755 A 20130626

Priority

JP 2012148737 A 20120702

Abstract (en)

[origin: EP2682820A2] An optical writing controller (120) that forms an electrostatic latent image on a photoconductor (109) by controlling a LEDA (130) includes a resolution controller (123) that acquires information on resolution of the electrostatic latent image and calculates requisite amount of light as exposure intensity per pixel based on requisite exposure intensity per unit area on the photoconductor (109) and the information on resolution, an emission time controller (124) that acquires information on luminous efficiency and calculates a line period emission time in which the LEDA (130) emits light in one line period based on the calculated exposure intensity per pixel and the information on luminous efficiency, and a light emitting controller (122) that controls emitting of the LEDA (130) based on the calculated line period emission time.

IPC 8 full level

G03G 15/043 (2006.01)

CPC (source: EP)

G03G 15/043 (2013.01)

Citation (search report)

- [XY] US 2004095455 A1 20040520 - ISHIDA HIDEKI [JP], et al
- [Y] JP 2009244299 A 20091022 - BROTHER IND LTD
- [Y] JP 2008023732 A 20080207 - FUJI XEROX CO LTD

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2682820 A2 20140108; EP 2682820 A3 20180103; JP 2014008743 A 20140120; JP 6035912 B2 20161130

DOCDB simple family (application)

EP 13173755 A 20130626; JP 2012148737 A 20120702