

Title (en)

IMAGE FORMING APPARATUS AND IMAGE FORMING METHOD

Title (de)

BILDERZEUGUNGSVORRICHTUNG UND BILDERZEUGUNGSVERFAHREN

Title (fr)

APPAREIL DE FORMATION D'IMAGES ET PROCÉDÉ DE FORMATION D'IMAGES

Publication

**EP 3139217 B1 20201021 (EN)**

Application

**EP 16174559 A 20160615**

Priority

- JP 2015126906 A 20150624
- JP 2016051421 A 20160315

Abstract (en)

[origin: EP3139217A1] An image forming apparatus (1) includes a plurality of image carriers (7Y, 7C, 7M, 7K), an intermediate transfer body (11), a plurality of primary transfer members (12Y, 12C, 12M, 12K), a secondary transfer member (21), a first guide member (31), and a controller (40). The first guide member (31) guides a recording medium (S) along a conveying direction. The controller (40) controls a primary transfer bias and a secondary transfer bias. A plurality of the primary transfer members (12Y, 12C, 12M, 12K) include an upstream side primary transfer member (12Y, 12C, 12M) and a downstream side primary transfer member (12K). The controller (40) makes an absolute value of the primary transfer bias applied to the downstream side primary transfer member (12K) larger than an absolute value of the primary transfer bias applied to the upstream side primary transfer member (12Y, 12C, 12M). The controller (40) lowers an absolute value of the secondary transfer bias when the recording medium (S) separates from the first guide member (31).

IPC 8 full level

**G03G 15/16** (2006.01); **G03G 15/01** (2006.01)

CPC (source: CN EP US)

**G03G 15/0189** (2013.01 - EP); **G03G 15/1605** (2013.01 - CN EP); **G03G 15/1665** (2013.01 - US); **G03G 15/1675** (2013.01 - CN EP); **G03G 15/6558** (2013.01 - EP); **G03G 2215/00767** (2013.01 - EP); **G03G 2215/00772** (2013.01 - EP); **G03G 2215/00776** (2013.01 - EP); **G03G 2215/0132** (2013.01 - EP)

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

DOCDB simple family (publication)

**EP 3139217 A1 20170308**; **EP 3139217 B1 20201021**; CN 106444325 A 20170222; CN 106444325 B 20190315; JP 2017009996 A 20170112; JP 6451675 B2 20190116

DOCDB simple family (application)

**EP 16174559 A 20160615**; CN 201610438969 A 20160617; JP 2016051421 A 20160315