

Title (en)
IMAGE FORMING APPARATUS

Title (de)
BILDERZEUGUNGSVORRICHTUNG

Title (fr)
APPAREIL DE FORMATION D'IMAGE

Publication
EP 3096187 A1 20161123 (EN)

Application
EP 16168781 A 20160509

Priority
• JP 2015101512 A 20150519
• JP 2015165467 A 20150825

Abstract (en)
An image forming apparatus (1) includes an image bearer (12), a first driver (61) to rotate the image bearer (12), a developing device (13) including a developing roller (13a), a second driver (62) to rotate the developing roller (13a), and a controller (60) to control the first driver (61) and the second driver (62) and set a linear speed ratio (X) of the developing roller (13a) relative to the image bearer (12). The controller (60) executes first driving in which the developing roller (13a) rotates with rotation of the image bearer (12) stopped in an idle time and executes second driving for a predetermined period (D2) subsequent to the first driving. The linear speed ratio (X) is set to a first ratio (X1) smaller than 1 in the second driving and to a second ratio (X2) equal to or greater than 1 in image formation.

IPC 8 full level
G03G 15/00 (2006.01); **G03G 15/08** (2006.01); **G03G 15/02** (2006.01); **G03G 15/06** (2006.01); **G03G 21/00** (2006.01)

CPC (source: EP)
G03G 15/0806 (2013.01); **G03G 15/5008** (2013.01); **G03G 15/0266** (2013.01); **G03G 15/065** (2013.01); **G03G 15/556** (2013.01); **G03G 21/0011** (2013.01)

Citation (applicant)
• JP 4695296 B2 20110608
• JP 2010096923 A 20100430 - RICOH KK

Citation (search report)
• [Y] JP 2009258276 A 20091105 - KONICA MINOLTA BUSINESS TECH
• [Y] US 2014003827 A1 20140102 - ARIMURA KOJI [JP]
• [Y] US 2012243908 A1 20120927 - ARATACHI TOMITAKE [JP], et al
• [A] JP H1152789 A 19990226 - MINOLTA CO LTD
• [A] US 2010303486 A1 20101202 - SHIBATA MASAHIRO [JP], et al

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EP3477399A1; JP2019078881A; US10976685B2

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

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