

Title (en)
Image forming apparatus

Title (de)
Bilderzeugungsvorrichtung

Title (fr)
Appareil de formation d'image

Publication
EP 2911010 A1 20150826 (EN)

Application
EP 15155801 A 20150219

Priority
JP 2014034326 A 20140225

Abstract (en)
An electrophotographic image forming apparatus (100) includes an apparatus body (99); a drive coupling (87) disposed in the apparatus body (99); a drive unit (M4) to rotate the drive coupling (87); a controller (110) to control the drive unit (M4); at least one driven member (50); a developer unit (50); a driven coupling (88) connected to the driven member (50); and a toner supply unit (80). When the developer unit (50) is attached, the driven coupling (88) engages the drive coupling (87) and the driven member (50) is driven by the drive unit (M4). The image forming apparatus (100) includes a toner ejection mode. The controller (110) controls the drive unit (M4) to cause the drive coupling (87) to stop at a predetermined rotation stop position in the toner ejection mode and controls the same to cause the drive coupling (87) to stop at a predetermined rotation stop position immediately.

IPC 8 full level
G03G 21/16 (2006.01); **G03G 15/00** (2006.01); **G03G 15/08** (2006.01); **G03G 21/18** (2006.01)

CPC (source: EP)
G03G 21/1647 (2013.01); **G03G 15/0879** (2013.01); **G03G 15/50** (2013.01); **G03G 21/1857** (2013.01); **G03G 2221/1657** (2013.01)

Citation (applicant)
• JP 2007171498 A 20070705 - CANON KK
• JP 2007316313 A 20071206 - CANON KK
• JP 2007304173 A 20071122 - CANON KK
• JP H04240870 A 19920828 - CANON KK
• JP 2005292676 A 20051020 - RICOH KK

Citation (search report)
• [XY] US 2009148187 A1 20090611 - TANAKA AKINORI [JP]
• [X] US 2004223772 A1 20041111 - NAKAZATO HIROSHI [JP]
• [Y] EP 1400863 A2 20040324 - SEIKO EPSON CORP [JP]
• [Y] US 2011194864 A1 20110811 - NAKATAKE NAOKI [JP], et al
• [Y] US 2003202821 A1 20031030 - HAYASHI TADASHI [JP]
• [Y] WO 2013085073 A1 20130613 - CANON KK [JP]

Cited by
EP4141551A1

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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EP 2911010 A1 20150826; **EP 2911010 B1 20181010**; JP 2015158641 A 20150903; JP 6233586 B2 20171122

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