

Title (en)
REMANUFACTURING METHOD FOR DEVELOPING APPARATUS AND CARTRIDGE

Title (de)
MODERNISIERUNGSVERFAHREN FÜR EINE ENTWICKLUNGSVORRICHTUNG UND KARTUSCHE

Title (fr)
PROCÉDÉ DE RÉUSINAGE POUR APPAREIL ET CARTOUCHE DE RÉVÉLATEUR

Publication
EP 3647879 A1 20200506 (EN)

Application
EP 19193712 A 20190827

Priority
• JP 2018160408 A 20180829
• JP 2019142871 A 20190802

Abstract (en)
A remanufacturing method of a developing apparatus including: a communicating step of removing a part of a frame of the developing apparatus to form a communication hole such that an outside of the frame and a developing chamber of the frame are connected each other; a refilling step of refilling an inside of the frame with developer via the communication hole; and a sealing step of sealing the communication hole.

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

CPC (source: EP)
G03G 15/0894 (2013.01); **G03G 21/181** (2013.01); **G03G 15/0865** (2013.01); **G03G 15/0889** (2013.01); **G03G 21/1647** (2013.01); **G03G 2215/00987** (2013.01)

Citation (applicant)
• JP 2002328588 A 20021115 - CANON KK
• JP 2002251119 A 20020906 - CANON KK

Citation (search report)
• [XY] JP 2002278423 A 20020927 - CANON KK
• [XY] US 2018143569 A1 20180524 - ISOBE YUTA [JP], et al
• [Y] EP 3316042 A1 20180502 - CANON KK [JP]

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 3647879 A1 20200506; **EP 3647879 B1 20240612**; JP 2020038357 A 20200312; JP 7353850 B2 20231002

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EP 19193712 A 20190827; JP 2019142871 A 20190802