

Title (en)

PHOTOCONDUCTIVE DRUM, IMAGE FORMING APPARATUS, AND METHOD OF REGENERATING PHOTOCONDUCTIVE DRUM

Title (de)

PHOTOLEITENDE TROMMEL, BILDERZEUGUNGSGERÄT UND VERFAHREN ZUR REGENERIERUNG EINER PHOTOLEITFÄHIGEN TROMMEL

Title (fr)

TAMBOUR PHOTOCONDUCTEUR, APPAREIL DE FORMATION D'IMAGE ET PROCÉDÉ DE RÉGÉNÉRATION DE TAMBOUR PHOTOCONDUCTEUR

Publication

EP 3786715 A1 20210303 (EN)

Application

EP 20192894 A 20200826

Priority

JP 2019159469 A 20190902

Abstract (en)

A photoconductive drum (1) includes a sleeve member (2) having a hollow cylindrical shape, a photosensitive layer (3), and a protective layer (4). The photosensitive layer (3) and the protective layer (4) are sequentially laminated on an outer peripheral surface of the sleeve member (2). A surface of the protective layer (4) has an arithmetic mean roughness (Ra) of less than 0.03 μm at a cutoff value of 0.25 mm and an arithmetic mean waviness (Wa) of 0.05 μm or more at the cutoff value of 2.5 mm.

IPC 8 full level

G03G 15/00 (2006.01); **G03G 5/00** (2006.01); **G03G 5/147** (2006.01)

CPC (source: CN EP)

G03G 5/14 (2013.01 - EP); **G03G 5/142** (2013.01 - EP); **G03G 5/147** (2013.01 - CN EP); **G03G 5/14704** (2013.01 - EP); **G03G 15/751** (2013.01 - EP)

Citation (applicant)

- JP 3854171 B2 20061206
- JP 2002351098 A 20021204 - RICOH KK

Citation (search report)

- [IA] JP H04345167 A 19921201 - MATSUSHITA ELECTRIC IND CO LTD
- [IA] JP 2006301092 A 20061102 - CANON KK
- [IA] EP 1134619 A2 20010919 - CANON KK [JP]
- [A] JP 2011007969 A 20110113 - RICOH CO LTD
- [A] US 2010330475 A1 20101230 - TAMOTO NOZOMU [JP], et al
- [A] JP 2012078642 A 20120419 - RICOH CO LTD
- [A] EP 1243973 A1 20020925 - RICOH 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)

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DOCDB simple family (application)

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