

Title (en)

Process and apparatus for installing original drive gear on a laser printer toner cartridge drum

Title (de)

Verfahren und Vorrichtung für die Installation eines Originalantriebgangs auf einer Laserdrucker-Tonerkartuschentrommel

Title (fr)

Procédé et appareil pour installer un engrenage d'entraînement original dans un tambour de cartouche de toner d'imprimante laser

Publication

**EP 2230556 A1 20100922 (EN)**

Application

**EP 09155791 A 20090320**

Priority

EP 09155791 A 20090320

Abstract (en)

In the field of laser printer toner cartridges, systems and methods for removing a drive gear from an original, spent photosensitive drum or member; preparing and re-installing the drive gear on a new drum; surface roughening, cleaning, contact straightening and priming of the original gear; cleaning and laser etching the new drum; gear positioning and adhering the gear to the drum with an epoxy/amine adhesive, electrical continuity testing and curing of the gear-drum assembly.

IPC 8 full level

**G03G 15/00** (2006.01); **G03G 21/18** (2006.01)

CPC (source: EP)

**G03G 15/757** (2013.01); **G03G 21/181** (2013.01); **G03G 2215/00987** (2013.01); **G03G 2221/1657** (2013.01); **G03G 2221/166** (2013.01)

Citation (applicant)

- JP H09187820 A 19970722 - CANON KK
- US 5845173 A 19981201 - ZOGG JON PETER [US], et al
- US 5402207 A 19950328 - MICHLIN STEVEN B [US]
- US 6157038 A 20001205 - SWAIN EUGENE A [US], et al
- JP H0588594 A 19930409 - KONISHIROKU PHOTO IND
- EP 0528568 A1 19930224 - CANON KK [JP]

Citation (search report)

- [XY] JP H09187820 A 19970722 - CANON KK
- [Y] US 5845173 A 19981201 - ZOGG JON PETER [US], et al
- [Y] US 5402207 A 19950328 - MICHLIN STEVEN B [US]
- [Y] US 6157038 A 20001205 - SWAIN EUGENE A [US], et al
- [A] JP H0588594 A 19930409 - KONISHIROKU PHOTO IND
- [Y] EP 0528568 A1 19930224 - CANON KK [JP]
- [E] US 2009162093 A1 20090625 - SHANUN SAGIE [US], et al

Cited by

JP2020034761A; US9612573B2; JP2018067009A

Designated contracting state (EPC)

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Designated extension state (EPC)

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DOCDB simple family (application)

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