

Title (en)

Protective layer forming device, image forming apparatus and process cartridge

Title (de)

Vorrichtung zum Bilden einer Schutzschicht, Bilderzeugungsvorrichtung und Prozesskartusche

Title (fr)

Dispositif de formation de couche de protection, appareil de formation d'image et cartouche de procédé

Publication

**EP 2290448 A1 20110302 (EN)**

Application

**EP 10172648 A 20100812**

Priority

JP 2009201744 A 20090901

Abstract (en)

A protective layer forming device including an image-bearing member protecting agent (21) which contains a fatty acid metal salt and an inorganic lubricant, a protecting agent supply member (22) configured to apply a surface of the image bearing member with the image-bearing member protecting agent, and a leveling member (24) configured to level off the image-bearing member protecting agent applied on the surface of the image bearing member (1), wherein the leveling member serves as a cleaning blade having a ridge part with an obtuse angle, which comes into contact with the surface of the image bearing member in a direction counter to the rotation of the image bearing member.

IPC 8 full level

**G03G 5/00** (2006.01); **G03G 21/00** (2006.01)

CPC (source: EP)

**G03G 5/005** (2013.01); **G03G 5/14704** (2013.01); **G03G 5/14708** (2013.01); **G03G 21/00** (2013.01); **G03G 21/0017** (2013.01); **G03G 21/0029** (2013.01); **G03G 21/0076** (2013.01); **G03G 2221/001** (2013.01)

Citation (applicant)

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- JP 2006350240 A 20061228 - RICOH KK
- JP 2007145993 A 20070614 - RICOH KK
- JP 2006154747 A 20060615 - RICOH KK
- JP 2006251751 A 20060921 - RICOH KK

Citation (search report)

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- [YD] US 2006285897 A1 20061221 - SUGIURA KENJI [JP], et al
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Cited by

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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 SE SI SK SM TR

Designated extension state (EPC)

BA ME RS

DOCDB simple family (publication)

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DOCDB simple family (application)

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