

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)

- JP S5122380 B1 19760709
- 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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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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