

Title (en)

Process cartridge and image forming apparatus

Title (de)

Arbeitseinheit und Bilderzeugungsgerät

Title (fr)

Unité de traitement et appareil de formation d'images

Publication

EP 0586042 B1 19980902 (EN)

Application

EP 93304623 A 19930615

Priority

- JP 26061392 A 19920904
- JP 30158892 A 19921015
- JP 30159092 A 19921015

Abstract (en)

[origin: EP0586042A2] The present invention provides a process cartridge mountable to an image forming apparatus, comprising an image bearing member, at least one process means acting on the image bearing member, and a detection member for detecting the presence/absence of developer supplied to the image bearing member on the basis of electrostatic capacity. <IMAGE> <IMAGE>

IPC 1-7

G03G 15/00; **G03G 15/08**

IPC 8 full level

G03G 15/08 (2006.01); **G03G 21/18** (2006.01)

CPC (source: EP)

G03G 15/0856 (2013.01); **G03G 15/086** (2013.01); **G03G 15/0881** (2013.01); **G03G 21/1875** (2013.01); **G03G 2215/00987** (2013.01); **G03G 2215/021** (2013.01); **G03G 2221/163** (2013.01); **G03G 2221/166** (2013.01); **G03G 2221/1669** (2013.01); **G03G 2221/183** (2013.01); **G03G 2221/1853** (2013.01); **G03G 2221/1884** (2013.01); **G03G 2221/1892** (2013.01)

Citation (examination)

JP H0470767 A 19920305 - CANON KK

Cited by

EP0758105A1; EP0784250A3; US5864731A; EP0679963A3; US6064843A; EP0770936A1; US5937239A; EP1253484A3; CN112602023A; US6201935B1; US6169865B1; US6859627B2; US7095967B2; KR100267047B1; US11199791B2; WO2020185249A1

Designated contracting state (EPC)

CH DE ES FR GB IT LI NL

DOCDB simple family (publication)

EP 0586042 A2 19940309; **EP 0586042 A3 19940824**; **EP 0586042 B1 19980902**

DOCDB simple family (application)

EP 93304623 A 19930615