

Title (en)
PROCESS CARTRIDGE AND IMAGE FORMING APPARATUS USABLE THEREWITH

Publication
EP 0485271 A3 19920909 (EN)

Application
EP 91402953 A 19911105

Priority
• JP 5444691 A 19910319
• JP 30177990 A 19901106

Abstract (en)
[origin: EP0485271A2] A process cartridge detachably mountable to an image forming apparatus includes an image bearing member; process device actable on the image bearing member; a first frame containing the image bearing member and the process device; and a second frame engageable with and disengageable from the first frame and containing a developer container. <IMAGE>

IPC 1-7
G03G 15/00

IPC 8 full level
G03G 15/16 (2006.01); **G03G 21/18** (2006.01)

CPC (source: EP KR)
G03G 15/16 (2013.01 - KR); **G03G 21/181** (2013.01 - EP); **G03G 21/1817** (2013.01 - EP); **G03G 2215/00987** (2013.01 - EP); **G03G 2221/1633** (2013.01 - EP); **G03G 2221/1648** (2013.01 - EP); **G03G 2221/1651** (2013.01 - EP); **G03G 2221/1654** (2013.01 - EP); **G03G 2221/1669** (2013.01 - EP); **G03G 2221/1853** (2013.01 - EP); **G03G 2221/1876** (2013.01 - EP)

Citation (search report)
• [X] GB 2074095 A 19811028 - KONISHIROKU PHOTO IND
• [X] DE 4003695 A1 19900823 - MINOLTA CAMERA KK [JP]
• [X] FR 2611930 A1 19880909 - RICOH KK [JP]
• [Y] DE 8907136 U1 19890720
• [A] EP 0276910 A1 19880803 - CANON KK [JP]
• [X] PATENT ABSTRACTS OF JAPAN vol. 14, no. 430 (P-1106)14 September 1990 & JP-A-2 168 277 (SHINDENGEN ELECTRIC) 28 June 1990
• [X] PATENT ABSTRACTS OF JAPAN vol. 14, no. 345 (P-1083)26 July 1990 & JP-A-2 123 376 (KONIKA) 10 May 1990
• [X] PATENT ABSTRACTS OF JAPAN vol. 14, no. 422 (P-1104)12 September 1990 & JP-A-2 163 769 (KONIKA) 25 June 1990

Cited by
US6118958A; EP0917022A3; US5828928A; CN1037128C; EP0576758A3; US5669042A; EP0683439A3; AU675615B2; US5870654A; EP0632342A3; US5689774A; US5652647A; EP0586041A3; US5500714A; US5617579A; US5619309A; EP0634707A3; EP0586044A3; US5543898A; EP0584417A1; US5623328A; EP2156936A1; EP1096338A1; CN101633226A; US6983113B2; US6273300B2; US6308028B1; US6473577B1; US8254804B2

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
EP 0485271 A2 19920513; EP 0485271 A3 19920909; EP 0485271 B1 19970723; CN 1040045 C 19980930; CN 1060271 C 20010103; CN 1062795 A 19920715; CN 1066271 C 20010523; CN 1066546 C 20010530; CN 1099879 A 19950308; CN 1114432 A 19960103; CN 1125855 A 19960703; DE 69126947 D1 19970828; DE 69126947 T2 19971120; DE 69132193 D1 20000615; DE 69132193 T2 20000928; DE 69132410 D1 20001012; DE 69132410 T2 20010215; EP 0692745 A2 19960117; EP 0692745 A3 19961120; EP 0692745 B1 20000510; EP 0692746 A2 19960117; EP 0692746 A3 19961120; EP 0692746 B1 20000906; HK 1011754 A1 19990716; HK 1011755 A1 19990716; KR 920010370 A 19920626; KR 970001198 B1 19970129; KR 970001199 B1 19970129; SG 79187 A1 20010320

DOCDB simple family (application)
EP 91402953 A 19911105; CN 91111554 A 19911106; CN 94102879 A 19940311; CN 94115665 A 19940905; CN 95108342 A 19950614; DE 69126947 T 19911105; DE 69132193 T 19911105; DE 69132410 T 19911105; EP 95202631 A 19911105; EP 95202635 A 19911105; HK 98112858 A 19981205; HK 98112859 A 19981205; KR 19960032954 A 19960808; KR 910019663 A 19911106; SG 1996007454 A 19911105