

Title (en)

Process cartridge, image forming system mountable same therein and method for assembling cleaning device.

Title (de)

Arbeitseinheit, diese ladendes Bilderzeugungssystem und Methode zum Zusammenbau der Reinigungsvorrichtung.

Title (fr)

Unité de traitement, appareil de formation d'image comprenant une telle unité et procédé d'assemblage du dispositif de nettoyage.

Publication

EP 0584417 A1 19940302 (EN)

Application

EP 92308514 A 19920918

Priority

- JP 19466092 A 19920630
- JP 21742392 A 19920724

Abstract (en)

The present invention is characterized by an image bearing member (9), process means acting on the image bearing member (9), a first frame (15), a second frame (14) lockable and separable with respect to the first frame, a locking body (15a;15b) and a locking member (14a) lockable to the locking body (15a;15b) which are provided to separably interlock the first and second frames (14;15), and a recessed portion (15n) and a projection (14h) fittable into the recessed portion which are provided to separably interlock the first and second frames (14;15). With above construction it is possible to provide a process cartridge, an image forming system (A), and a method for assembling a cleaning device (13), which can be easily assembled and can sufficiently cope with a high number of re-cycles. There are additionally disclosed a method of attaching auxilliary parts to a processing cartridge and a method of assembling a cleaning unit. There are as well disclosed means for attaching additional parts into a processing cartridge. <IMAGE>

IPC 1-7

G03G 15/00; **G03G 21/00**

IPC 8 full level

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

CPC (source: EP KR)

G03G 15/00 (2013.01 - KR); **G03G 21/0011** (2013.01 - EP); **G03G 21/181** (2013.01 - EP); **G03G 2215/00987** (2013.01 - EP)

Citation (search report)

- [XD] EP 0453963 A2 19911030 - CANON KK [JP]
- [Y] US 5036358 A 19910730 - YOSHIDA NARUTAKA [JP]
- [A] EP 0153824 A2 19850904 - MITA INDUSTRIAL CO LTD [JP]
- [A] EP 0473180 A2 19920304 - CANON KK [JP]
- [A] EP 0314140 A2 19890503 - MITA INDUSTRIAL CO LTD [JP]
- [XD] EP 0485271 A2 19920513 - CANON KK [JP]

Cited by

CN1315013C; EP1403742A3; GB2282108A; GB2282108B

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

EP 0584417 A1 19940302; **EP 0584417 B1 19971119**; CN 1049984 C 20000301; CN 1080733 A 19940112; DE 69223241 D1 19980102; DE 69223241 T2 19980416; KR 0132559 B1 19981116; KR 940006005 A 19940322; MX 9205524 A 19940131

DOCDB simple family (application)

EP 92308514 A 19920918; CN 92110575 A 19920928; DE 69223241 T 19920918; KR 920017622 A 19920926; MX 9205524 A 19920928