

Title (en)

Toner replenishing device and image forming apparatus using the same

Title (de)

Tonernachfüllvorrichtung und damit versehene Bilderzeugungsvorrichtung

Title (fr)

Dispositif de réapprovisionnement de toner et dispositif de formation d'images avec celui-ci

Publication

**EP 1220050 B1 20100120 (EN)**

Application

**EP 01130525 A 20011221**

Priority

- JP 2000391984 A 20001225
- JP 2001084554 A 20010323
- JP 2001307850 A 20011003
- JP 2001315096 A 20011012

Abstract (en)

[origin: EP1220050A2] A toner replenishing device of the present invention includes a casing for accommodating a toner. The casing is made up of a lower case formed with an opening for receiving the toner container, and an upper case for covering the opening of the lower case. A locking member locks the upper case closing the opening to the lower case. The locking member is configured to loose the function of locking the upper case to the lower case when unlocking the former from the latter. <IMAGE> <IMAGE>

IPC 8 full level

**G03G 15/08** (2006.01)

CPC (source: EP)

**G03G 15/0855** (2013.01); **G03G 15/0865** (2013.01); **G03G 15/0872** (2013.01); **G03G 15/0894** (2013.01); **G03G 2215/0665** (2013.01);  
**G03G 2215/0872** (2013.01)

Cited by

US7734232B2; US11648733B2; US8131188B2; US11982952B2

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**EP 1220050 A2 20020703; EP 1220050 A3 20030102; EP 1220050 B1 20100120**; CN 100390676 C 20080528; CN 1241073 C 20060208;  
CN 1365030 A 20020821; CN 1567100 A 20050119; DE 60141113 D1 20100311; TW I269946 B 20070101

DOCDB simple family (application)

**EP 01130525 A 20011221**; CN 01138196 A 20011225; CN 200410055821 A 20011225; DE 60141113 T 20011221; TW 90131888 A 20011221