

Title (en)
DEVELOPING UNIT

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EP 0429152 A3 19910911 (DE)

Application
EP 90250285 A 19901116

Priority
DE 3938709 A 19891117

Abstract (en)
[origin: EP0429152A2] In a developing unit for a cartridge, provided with a photoconductive drum, for photocopiers or laser printers, a toner container (1) is used which is detachably connected to the frame (5) of a magnet roller (6) serving to remove the toner from the toner container (1). Arranged between the frame (5) and the toner container (1) are a seal (8) and a mask (7), which has a window (10) sealed by a peelable foil strip (11). The mask (7) has a V-shaped guiding and retaining rail (15), which overlaps a flange (12) formed by the longitudinal edge of the frame (5), and when the toner container (1) is connected to the frame (5) requires only screwing of the frame (5) and toner container (1) on the longitudinal edge of the toner container (1) averted from the guiding and retaining rail (15). <IMAGE>

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G03G 15/08

IPC 8 full level
G03G 15/08 (2006.01)

CPC (source: EP)
G03G 15/0882 (2013.01); **G03G 15/0894** (2013.01); **G03G 2215/00987** (2013.01)

Citation (search report)
• [Y] DE 2161851 A1 19720629 - XEROX CORP
• [Y] DE 8700905 U1 19870305
• [X] PATENT ABSTRACTS OF JAPAN, Band 13, Nr. 180 (P-864)[3528], 27. April 1989; & JP-A-1 10 274 (SHARP) 13-01-1989
• [X] PATENT ABSTRACTS OF JAPAN, Band 13, Nr. 180 (P-864)[3528], 27. April 1989; & JP-A-1 10 276 (SHARP) 13-01-1989
• [Y] PATENT ABSTRACTS OF JAPAN, Band 5, Nr. 154 (P-82)[826], 29. September 1981; & JP-A-56 87 068 (RICOH K.K.) 15-07-1981

Cited by
EP0627672A3; US5752131A; DE4128101A1; EP0631207A3; BE1008324A4; EP0651297A1; FR2722011A1

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