Title (en)

TONER REPLENISHING DEVICE

Publication

EP 0379167 A3 19920527 (EN)

Application

EP 90100905 A 19900117

Priority

- JP 1109589 A 19890120
- JP 1109689 A 19890120
- JP 1110089 A 19890120

Abstract (en)

[origin: EP0379167A2] The invention provides a developing apparatus in which toner is mixed with magnetic carrier particles by agitator in an agitating part so as to form two component type developer. The device for feeding toner has a rotatable feeding roller disposed above the agitating part of said developing apparatus for feeding toner thereto, the feeding roller including plural magnets therein so that magnetic carrier particles are attracted to form magnetic brush around the circumference of the feeding roller and toner is conveyed by the magnetic brush with the rotation of the feeding roller. Between the agitating part and the feeding roller, there is provided a partition having an opening positioned beneath the feeding roller so that the magnetic brush passes across the opening and the conveyed toner drops into the agitating part through the opening. At one side of the periphery of the opening, there is provided a prevention plate for preventing toner leakage, and at another side of the periphery of the opening opposite to the one side, there is provided a regulating plate for regulating a height of said magnetic brush.

IPC 1-7

G03G 15/08

IPC 8 full level

G03G 15/08 (2006.01)

CPC (source: EP)

G03G 15/0877 (2013.01)

Citation (search report)

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- [Y] US 4003335 A 19770118 - KURITA TAKAJI, et al
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- [A] PATENT ABSTRACTS OF JAPAN vol. 6, no. 30 (P-103)(908) 23 February 1982 & JP-A-56 150 768 (TOKYO SHIBAURA DENKI) 21 November 1981
- [APD] PATENT ABSTRACTS OF JAPAN vol. 11, no. 178 (P-584)(2625) 9 June 1987 & JP-A-62 007 073 (KONISHIROKU PHOTO) 14 January 1987

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