

Title (en)

Development apparatus for latent magnetic images.

Title (de)

Entwicklungsvorrichtung von latenten magnetischen Abbildungen.

Title (fr)

Appareil de développement d'images magnétiques latentes.

Publication

EP 0142446 A1 19850522 (FR)

Application

EP 84402286 A 19841113

Priority

FR 8318282 A 19831117

Abstract (en)

[origin: ES8600816A1] A hollow cylindrical nonmagnetic transfer roller (27) rotates about its axis (28) about 1.5mm away from the recording surface (13) of the magnetic drum (10). It encloses a permanent bar magnet (31) oriented so that the pole (32) nearer to the circular path (29) of the surface opposes the polarity of the magnetised areas (14) of the drum. - The axis of the bar magnet is inclined at an angle (A) to the normal (40) which depends on the linear speed of the surface, and is e.g. 35 deg. at 30 cm/sec, 25 deg. at 10 cm/sec, and 15 deg. at 5 cm/sec.

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Abstract (fr)

1° L'invention se rapporte à un appareil de développement d'images magnétiques latentes. 2° Cet appareil comprend un dispositif de retouches (20) constitué, d'une part d'un rouleau de transport (27) se déplaçant en sens inverse de la surface d'enregistrement magnétique (13) à proximité de laquelle il est placé, d'autre part d'un aimant (31) disposé à l'intérieur du rouleau (27) de façon à présenter en regard de cette surface un pôle (32) de polarité opposée à celle présentée par les zones magnétisées (14) de cette surface, l'axe magnétique (N'S) de cet aimant étant incliné dans le sens inverse à celui du déplacement de la surface (13). 3° Application aux machines imprimantes magnétiques.

IPC 1-7

G03G 19/00; **G03G 15/09**

IPC 8 full level

G03G 15/09 (2006.01); **G03G 15/095** (2006.01); **G03G 19/00** (2006.01)

CPC (source: EP US)

G03G 15/095 (2013.01 - EP US); **G03G 19/00** (2013.01 - EP US)

Citation (search report)

- [A] US 4108546 A 19780822 - REZANKA IVAN
- [A] US 4314018 A 19820202 - MATSUMOTO SHOJI, et al
- [A] US 4127327 A 19781128 - REZANKA IVAN
- [A] GB 2084080 A 19820407 - RICOH KK

Cited by

FR2625574A1; EP0336820A1; FR2629606A1; US4901087A

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EP 0142446 A1 19850522; **EP 0142446 B1 19880113**; AT E31982 T1 19880115; DE 3468755 D1 19880218; ES 537747 A0 19851016; ES 8600816 A1 19851016; FR 2555329 A1 19850524; FR 2555329 B1 19860214; US 4610527 A 19860909

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