

Title (en)

A magnetic brush developing apparatus.

Title (de)

Entwicklungsgerät mit magnetischer Bürste.

Title (fr)

Appareil de développement de type brosse magnétique.

Publication

EP 0658826 A1 19950621 (EN)

Application

EP 95102168 A 19910822

Priority

- EP 91307747 A 19910822
- JP 23390690 A 19900903

Abstract (en)

A magnetic brush developing apparatus, comprising: a development container for containing a developer (4); a magnet (1b) stationarily located in the development container (7) and having magnetic poles radially provided on a plurality of points; a rotational sleeve (1a) arranged to cover the outer circumference of the magnet (1b) and rotatably driven to carry the developer (4) in the development container (7); and a blade (2) arranged opposite to the rotational sleeve (1a) to restrict the amount of the developer (4) which is carried by the rotational sleeve (1a). To obtain a uniform image quality without unevenness among different developing apparatus and a wider range of assembling precision to thus facilitate the installment of the apparatus, at the position (6a) facing the developer restriction member (2), and in its vicinity (6), there is formed a uniform magnetic flux density section (Z) having a magnetic flux density whose component normal to the sleeve (1a) is substantially uniform on the periphery of the rotational sleeve (1a). Two magnetic poles having different polarity have a third magnetic pole placed between them. This third pole faces the blade. The uniform magnetic flux density section is formed by these three magnetic poles. <IMAGE>

IPC 1-7

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CPC (source: EP KR)

G03G 15/09 (2013.01 - EP KR); **G03G 15/0921** (2013.01 - EP)

Citation (search report)

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- [X] PATENT ABSTRACTS OF JAPAN vol. 013, no. 422 (P - 933) 20 September 1989 (1989-09-20) & US 4959692 A 19900925 - HAYASHI YUJI [JP], et al

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