

Title (en)

Magnetic roller with protruding magnetic poles for an image developing means

Title (de)

Magnetwalze mit hervorstehenden Magnetpolen für eine Bildentwickeleinheit

Title (fr)

Rouleau magnétique avec pôles magnétiques saillants pour un dispositif de développement d'image

Publication

EP 1621938 A1 20060201 (EN)

Application

EP 04017695 A 20040727

Priority

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Abstract (en)

A magnetic roller for image developing means of printer comprises: a roller body (3), which is made of rubber, plastic, or artificial resin mixed with magnetic materials and formed as a unity; a plurality of S magnetic poles (41,42) and N magnetic poles (51,52), which are formed in the outer circle of the roller body (3) as a unity, and form in strip-shape in the direction of central axis of roller body (3), each magnetic S pole (41,42) and magnetic N pole (51,52) is arranged separately; and an axis of roller (6), which is made of soft magnets or the same material with roller body (3) and passed through the center of roller body (3). It is characterized in that: said roller body (3) is a non-cylinder body, in which the adjacent area (71-74) of magnetic poles is hollow, so that magnetic angle of magnetic poles (41,42,51,52) in the magnetic roller can be more accurate, magnetic force can be more strengthened, and the volume of materials would be reduced to lower the cost.

IPC 8 full level

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