

Title (en)

LIQUID DEVELOPING METHOD OF ELECTROSTATIC LATENT IMAGE AND LIQUID DEVELOPING APPARATUS

Title (de)

VERFAHREN UND GERÄT ZUR FLÜSSIGENTWICKLUNG EINES ELEKTROSTATISCHEN LATENTEN BILDES

Title (fr)

PROCEDE UTILISANT UN REVELATEUR LIQUIDE POUR DEVELOPPER UNE IMAGE ELECTROSTATIQUE LATENTE ET APPAREIL DE DEVELOPPEMENT A REVELATEUR LIQUIDE

Publication

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Application

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Abstract (en)

This invention relates to an electrostatic latent image liquid developing method and liquid developing apparatus that can prevent adhesion of toner to the non-image parts on the image bearing member and thereby prevent the occurrence of image inaccuracies. The method provides a pre-wetting process that applies pre-wet liquid to photosensitive member 10 and a developing process. In the developing process, a thin layer of a highly viscous liquid developing agent, in which toner is dispersed at a high concentration in a non-conductive liquid, is formed on the elastic developing roller 506. Developing roller 506 is rotated and, at the same time, the liquid developing agent layer on developing roller 506 is brought into contact with the pre-wet liquid layer on photosensitive member 10 in order to supply liquid developing agent to the latent image on photosensitive member 10. Thus, the toner develops the electrostatic latent image formed on photosensitive member 10. <IMAGE>

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