

Title (en)

PROCESS FOR PRODUCING TONER FOR DEVELOPING ELECTROSTATICALLY CHARGED IMAGES

Title (de)

VERFAHREN ZUR HERSTELLUNG VON TONERN FÜR DIE ENTWICKLUNG ELEKTROSTATISCH GELADENER BILDER

Title (fr)

PROCEDE DE PRODUCTION DE TONER PERMETTANT LE DEVELOPPEMENT D'IMAGES CHARGEES ELECTROSTATIQUEMENT

Publication

**EP 0834779 A4 19981209 (EN)**

Application

**EP 96918866 A 19960620**

Priority

- JP 9601714 W 19960620
- JP 17805495 A 19950621
- JP 5835796 A 19960221
- JP 5835896 A 19960221

Abstract (en)

[origin: EP0834779A1] A process for producing a toner for development of electrostatic latent images, which is composed of colored polymer particles and has a low fixing temperature, good permeability through OHP and excellent shelf stability, by subjecting a monomer composition containing at least a polymerizable monomer and a colorant to suspension polymerization in an aqueous dispersion medium containing a dispersing agent comprises at least two steps of: (1) the first step of subjecting a monomer composition for core component containing at least one monomer for core component, which is capable of forming a polymer having a glass transition temperature not higher than 80 DEG C, and a colorant to suspension polymerization in the aqueous dispersion medium until the conversion of the monomer into the polymer reaches at least 80%, thereby preparing colored polymer particles serving as the core component; and (2) the second step of adding at least one monomer for shell component, which is capable of forming a polymer having a glass transition temperature higher than that of the polymer of the core component, or a monomer composition for shell component containing said monomer, and a water-soluble radical initiator to the reaction system containing the colored polymer particles serving as the core component to conduct a polymerization reaction, thereby forming a coating layer of the polymer serving as the shell component on surfaces of the colored polymer particles serving as the core component. By this process, capsule type colored polymer particles of a core-shell structure composed of 40-99 wt.% of the core component and 1-60 wt.% of the shell component are produced. <IMAGE>

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**G03G 9/093**

IPC 8 full level

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CPC (source: EP KR)

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Citation (search report)

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- [A] PATENT ABSTRACTS OF JAPAN vol. 017, no. 600 (P - 1637) 4 November 1993 (1993-11-04)
- See references of WO 9701131A1

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