

Title (en)

Master batch for production of toners used in electrophotography.

Title (de)

Basismaterial für die Herstellung von elektrophotographischen Tonern.

Title (fr)

Produit de base pour la préparation de toneurs électrophotographiques.

Publication

EP 0412494 A1 19910213 (EN)

Application

EP 90115131 A 19900807

Priority

- JP 20768689 A 19890809
- JP 20938689 A 19890811

Abstract (en)

There is disclosed a method of producing a master batch for the production of toner particles used in electrophotography, which comprises: (a) preparing a resin solution; (b) preparing a mixture which has a dye or a pigment finely dispersed in the resin solution; and (c) removing the solvent from the mixture. There is also provided a method of producing toner particles for use in electrophotography, which, in addition to the above steps (a), (b) and (c) for the preparation of a master batch, further comprises: (d) adding a further amount of a second binder resin to the master batch together with an effective amount of an additive when necessary, to form a second mixture, and kneading the second mixture to a composition; and (e) crushing the composition to toner particles.

IPC 1-7

G03G 9/08

IPC 8 full level

G03G 9/08 (2006.01)

CPC (source: EP)

G03G 9/0802 (2013.01); **G03G 9/0804** (2013.01); **G03G 9/081** (2013.01)

Citation (search report)

- [X] EP 0298173 A2 19890111 - MITSUI TOATSU CHEMICALS [JP]
- [X] GB 2005692 A 19790425 - APECO CORP
- [A] DE 1522628 A1 19691002 - VON GRABE BERNT FRIED WALTHER
- [A] DE 2908565 A1 19790920 - MINOLTA CAMERA KK
- [XD] PATENT ABSTRACTS OF JAPAN vol. 10, no. 358 (P-522)(2415) 02 December 1986, & JP-A-61 156054 (FUJITSU LTD.) 15 July 1986,

Cited by

EP0458196A1; US5376493A; US6232029B1; EP0664802B1

Designated contracting state (EPC)

BE CH DE FR GB IT LI NL

DOCDB simple family (publication)

EP 0412494 A1 19910213; CA 2022911 A1 19910210

DOCDB simple family (application)

EP 90115131 A 19900807; CA 2022911 A 19900808