

Title (en)

Carrier, toner and electrophotographic photoreceptor comprising a carbosiloxane dendrimer-functional vinyl type polymer

Title (de)

Trägerteilchen, Toner und elektrophotographischer Photorezeptor, die ein Carbosiloxan-Dendrimer funktionelles Vinylpolymer enthalten

Title (fr)

Particules de support pour toner, toner et photorécepteur électrophotographique, contenant un polymère vinylique à fonction dendrimère à base de carbosiloxane

Publication

**EP 1011033 A2 20000621 (EN)**

Application

**EP 99123672 A 19991129**

Priority

- JP 35554298 A 19981215
- JP 35554498 A 19981215
- JP 36322098 A 19981221

Abstract (en)

A carrier for developing electrostatic latent images has an excellent charging stability, resistance to spenting, and durability and can provide high resolution images over long periods of operation. The carrier achieves these advantageous effects because it contains a pendant carbosiloxane dendrimer-functional vinyl-type polymer. A toner for developing electrostatic images also contains the pendant carbosiloxane dendrimer-functional vinyl-type polymer. The toner has an excellent fluidity, releasability, fixing behavior, resistance to offset, and flexibility and can provide high resolution images. The toner and carrier can be used in various imaging technologies, e.g., electrophotographic technologies, electrostatic recording technologies, and electrostatic printing technologies. An electrophotographic photoreceptor contains, in at least its surface layer, a binder resin and the pendant carbosiloxane dendrimer-functional vinyl-type polymer.

IPC 1-7

**G03G 9/113**

IPC 8 full level

**G03G 9/087** (2006.01); **G03G 9/113** (2006.01)

CPC (source: EP)

**G03G 9/08773** (2013.01); **G03G 9/1136** (2013.01)

Cited by

CN115625897A; CN100363251C; US10295935B2

Designated contracting state (EPC)

DE FR GB IT NL

DOCDB simple family (publication)

**EP 1011033 A2 20000621**; **EP 1011033 A3 20000816**; CA 2291280 A1 20000530

DOCDB simple family (application)

**EP 99123672 A 19991129**; CA 2291280 A 19991129