

Title (en)

Electrophotographic elements containing preferred pigment particle size distribution

Title (de)

Elektrophotographische Elemente mit bevorzugter Pigment-Teilchengrößenverteilung

Title (fr)

Éléments électrophotographiques contenant la distribution préférée des dimensions de particules de pigment

Publication

**EP 0807857 B1 20030730 (EN)**

Application

**EP 97201353 A 19970506**

Priority

US 65006896 A 19960517

Abstract (en)

[origin: EP0807857A1] An electrophotographic element comprising an electrically conductive support, a barrier layer and a photoconductive layer containing a polymeric binder having dispersed therein charge generating pigments (a) selected from the group consisting of titanyl fluorophthalocyanines and cocrystalline mixtures of titanyl fluorophthalocyanine and unsubstituted titanyl phthalocyanine and (b) having a particle size from 0.05 to 0.7  $\mu\text{m}$ , up to 30% of the particles are smaller than 0.15  $\mu\text{m}$  and less than 8% of such particles are larger than 0.6  $\mu\text{m}$ .

IPC 1-7

**G03G 5/06**

IPC 8 full level

**G03G 5/06** (2006.01)

CPC (source: EP)

**G03G 5/0696** (2013.01)

Cited by

EP1081557A1; US6949139B2; US6696214B2; JP2014021385A

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**EP 0807857 A1 19971119; EP 0807857 B1 20030730**; DE 69723765 D1 20030904; DE 69723765 T2 20040415; JP 3842374 B2 20061108; JP H1048859 A 19980220

DOCDB simple family (application)

**EP 97201353 A 19970506**; DE 69723765 T 19970506; JP 12709097 A 19970516