

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 A1 19971119 (EN)

Application

EP 97201353 A 19970506

Priority

US 65006896 A 19960517

Abstract (en)

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 μm , up to 30% of the particles are smaller than 0.15 μm and less than 8% of such particles are larger than 0.6 μm .

IPC 1-7

G03G 5/06

IPC 8 full level

G03G 5/06 (2006.01)

CPC (source: EP)

G03G 5/0696 (2013.01)

Citation (search report)

- [A] US 5238766 A 19930824 - MOLLAIRE MICHEL F [US], et al
- [A] EP 0460615 A1 19911211 - EASTMAN KODAK CO [US]
- [A] EP 0443563 A1 19910828 - EASTMAN KODAK CO [US]
- [A] US 4701396 A 19871020 - HUNG YANN [US], et al
- [A] PATENT ABSTRACTS OF JAPAN vol. 095, no. 006 31 July 1995 (1995-07-31)
- [A] DATABASE WPI Section Ch Week 8645, Derwent World Patents Index; Class A89, AN 86-295135, XP002036266

Cited by

EP1081557A1; US6949139B2; US6696214B2; JP2014021385A

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