

Title (en)

Use of inner-polyelectrolyte complexes as charge controlling agent

Title (de)

Verwendung von Inter-Polyelektrolyt-Komplexen als Ladungssteuermittel

Title (fr)

Utilisation de complexes polyélectrolytes internes comme agents de contrôle de charge

Publication

EP 0895131 A3 19991222 (DE)

Application

EP 98113654 A 19980722

Priority

DE 19732995 A 19970731

Abstract (en)

[origin: EP0895131A2] Inter-polyelectrolyte complexes (I) are used as charge regulators and enhancers in electrophotographic toners and developers, in powders and powder lacquers suitable for triboelectric or electrokinetic spraying and in electret materials. Also claimed are electrophotographic toners, powders and powder lacquers containing (I), a styrene, styrene-acrylate, styrene-butadiene, acrylate, urethane or acrylic resin or a polyester and/or epoxide resin and 0.01-50, preferably 0.5-20 wt.% complex(es) (I).

IPC 1-7

G03G 9/087; **G03G 9/097**

IPC 8 full level

C09D 5/46 (2006.01); **C09K 3/16** (2006.01); **G03G 9/087** (2006.01); **G03G 9/097** (2006.01)

CPC (source: EP KR US)

G03G 9/00 (2013.01 - KR); **G03G 9/08791** (2013.01 - EP US); **G03G 9/097** (2013.01 - EP US); **G03G 9/09741** (2013.01 - EP US); **G03G 9/0975** (2013.01 - EP US); **Y10S 977/776** (2013.01 - EP US)

Citation (search report)

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- [X] DATABASE WPI Week 8302, Derwent World Patents Index; AN 83-03621k, XP002118582
- [DL] B. PHILIPP ET AL.: "Polyelektrolytkomplexe-Bildungsweise, Struktur und Anwendungsmöglichkeiten", ZEITSCHRIFT FÜR CHEMIE, vol. 22, no. 1, January 1982 (1982-01-01), DDR, pages 1 - 13, XP002118578

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EP 0895131 A2 19990203; **EP 0895131 A3 19991222**; BR 9803725 A 19991103; CA 2244367 A1 19990131; CN 1209571 A 19990303; DE 19732995 A1 19990204; JP 3822365 B2 20060920; JP H11124565 A 19990511; KR 19990014297 A 19990225; TW 396299 B 20000701; US 6030738 A 20000229

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