Title (en)

COLORED TONER FOR DEVELOPING ELECTROSTATIC IMAGE.

Title (de)

FARBTONER FÜR DIE ENTWICKLUNG ELEKTROSTATISCHER BILDER.

Title (fr)

TONER COLORE DE DEVELOPPEMENT D'IMAGE ELECTROSTATIQUE.

Publication

EP 0609443 A4 19950419 (EN)

Application

EP 92921832 A 19921021

Priority

- JP 9201371 W 19921021
- JP 30121491 A 19911022
- JP 30823791 A 19911029

Abstract (en)

[origin: EP0609443A1] A colored toner for developing electrostatic images which has a degree of gelation of 2.0 % or less and comprises an association of secondary particles containing polymer particles having acidic or basic polar groups and an organic pigment and/or an organic dye treated with a treatment containing a surface treatment which has the same ionic character as that of the polymer particles in such a manner that the absolute value of zeta -potential will be 10 to 100 mV at a pH value of 5; and a developer for electrostatic images which comprises said toner and a carrier.

IPC 1-7

G03G 9/08

IPC 8 full level

G03G 9/08 (2006.01); **G03G 9/087** (2006.01); **G03G 9/09** (2006.01)

CPC (source: EP)

G03G 9/0804 (2013.01); **G03G 9/0821** (2013.01); **G03G 9/0825** (2013.01); **G03G 9/08791** (2013.01); **G03G 9/0906** (2013.01)

Citation (search report)

- [Y] EP 0302939 A1 19890215 - NIPPON CARBIDE KOGYO KK [JP] & JP S63282749 A 19881118 - NIPPON CARBIDE KOGYO KK & JP S63186253 A 19880801 - NIPPON CARBIDE KOGYO KK
- [PY] US 5118588 A 19920602 - NAIR MRIDULA [US], et al
- [Y] EP 0185509 A1 19860625 - XEROX CORP [US]
- [A] US 4218530 A 19800819 - LU CHIN H [US]
- [A] US 3615749 A 19711026 - HENRY JOHN, et al
- [PY] PATENT ABSTRACTS OF JAPAN vol. 016, no. 080 (P - 1318) 26 February 1992 (1992-02-26)
- [A] PATENT ABSTRACTS OF JAPAN vol. 013, no. 475 (P - 950) 27 October 1989 (1989-10-27)
- See references of WO 9308510A1

Cited by

EP2998795A1; US6531254B1; WO9850828A1; WO9950714A1

Designated contracting state (EPC)

DE FR GR IT

DOCDB simple family (publication)

EP 0609443 A1 19940810; **EP 0609443 A4 19950419**; **EP 0609443 B1 19990127**; CA 2121893 A1 19930429; CA 2121893 C 20030121; DE 69228314 D1 19990311; DE 69228314 T2 19990610; WO 9308510 A1 19930429

DOCDB simple family (application)

EP 92921832 A 19921021; CA 2121893 A 19921021; DE 69228314 T 19921021; JP 9201371 W 19921021