

Title (en)
ELECTROSTATIC TONER

Publication
EP 0347695 A3 19900307 (DE)

Application
EP 89110563 A 19890610

Priority
DE 3821199 A 19880623

Abstract (en)
[origin: JPH0244370A] PURPOSE: To make a toner excellent in electrostatic chargeability by incorporating a specified compd. as an electric charge stabilizer into the toner. CONSTITUTION: This toner consists of a polymer binder having 40-200 deg.C softening temp. and 0.01-2wt.% electric charge stabilizer based on the amt. of this toner or further contains a coloring component and at least one kind of compd. represented by formula I is contained as the electric charge stabilizer. In the formula, R<1> is Cl or methyl, preferably methyl, R<2> is 4-22C alkyl, benzyl or 2-phenylethyl, preferably 10-22C, especially 12-22C alkyl, A<-> is an equiv. anion, (n) is 0, 1 or 2, preferably 0 or 1, (m) is 1 or 2 and (r) is 1 or 2. This toner is excellent in electrostatic chargeability.

IPC 1-7
G03G 9/08

IPC 8 full level
C07D 471/04 (2006.01); **C07D 487/04** (2006.01); **G03G 9/08** (2006.01); **G03G 9/097** (2006.01)

CPC (source: EP US)
G03G 9/09758 (2013.01 - EP US)

Citation (search report)
• [A] PATENT ABSTRACTS OF JAPAN, Band 11, Nr. 112 (P-565)[2559], 9. April 1987; & JP-A-61 259 265 (CANON INC.) 17-11-1986
• [A] PATENT ABSTRACTS OF JAPAN, Band 9, Nr. 127 (P-360)[1850], 31. Mai 1985; & JP-A-60 010 259 (CANON K.K.) 19-01-1985

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EP0590446A3; US5478948A; US7611812B2; US7621967B2; US7029818B2; US7569318B2; US7309558B1; WO9744713A1; WO9928396A1; EP0705886A2; EP2938420B1; US6242052B1; US9618220B2; US9909767B2; US10571137B2; EP3885480A1

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