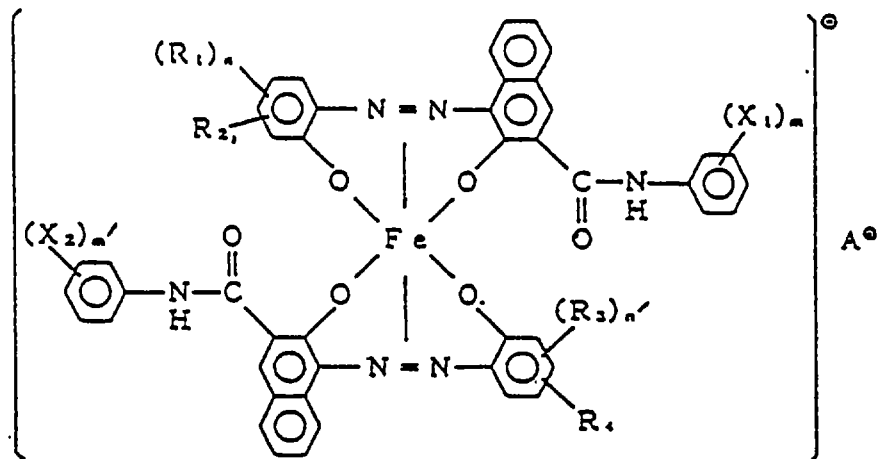


TONER FOR DEVELOPING ELECTROSTATIC IMAGE.

IMAGE FORMING APPARATUS AND PROCESS CARTRIDGE

ABSTRACT OF THE DISCLOSURE

A toner for developing an electrostatic image is constituted by at least a binder resin and a charge control agent. The binder resin has an acid value of 5 - 50. The charge control agent comprises an iron complex represented by the following formula:



wherein X_1 and X_2 independently denote hydrogen atom, lower alkyl group, lower alkoxy group, nitro group or halogen atom; m and m' denote an integer of 1 - 3; R_1 and R_3 independently denote hydrogen atom, C_{1-18} alkyl or alkenyl, sulfonamide, mesyl, sulfonic acid group, carboxy ester group, hydroxy, C_{1-18} alkoxy, acetyl amino, benzoyl amino or halogen atom; n and n' denote an integer of 1 - 3; R_2 and R_4 denote hydrogen atom or nitro group; and A^+ denotes hydrogen ion, sodium ion, potassium ion or ammonium ion. The toner has a weight-average particle size (D_4) of 4 - 9 μm

and including toner particles having a particle size of 5 μm or smaller at 3 - 90 % by number, toner particles having a particle size of 6.35 - 10.08 μm at 1 - 80 % by number and toner particles having a particle size of 12.7 μm or larger at a percentage by volume of at most 2.0 %, wherein the toner particles having a particle size of 5.0 μm or smaller are contained at N % by number and at V % by volume satisfying a relationship:

$$N/V = -0.05N + k,$$

wherein k is a positive number in the range of 3.0 - 7.5.

FIGURE 1.