

Title (en)

DRY ELECTROSTATOGRAPHIC TONER COMPOSITION.

Title (de)

TROCKENE ELEKTROFOTOGRAFISCHE TONERZUSAMMENSETZUNG.

Title (fr)

COMPOSITION DE TONER ELECTROSTATOGRAPHIQUE SEC.

Publication

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Application

EP 90910656 A 19900625

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Abstract (en)

[origin: WO9100548A1] The present invention relates to a toner composition consisting of fusible electrostatically attractable toner particles suitable for development of electrostatic charge patterns. According to the invention, dry electrostatographic toner particles suitable for use in the development of an electrostatic charge pattern are provided, characterized in that said toner particles feature a classified size distribution wherein more than 90 percent by volume of the toner particles have equivalent particle size diameters larger than 0.5 micron, and less than 7 microns, and more than about 50 percent by volume of the toner particles have equivalent particle size diameters of less than about 5 microns, and whereby said toner particles have on their surface flow enhancing additive in a concentration of at least 0.1 % w/w and at most 5 % w/w said flow enhancing additive being characterized by a product of specific surface area ($A \text{ m}^2/\text{g}$) times methanol value ($B \text{ \% V/V}$) fulfilling the relation: $A \times B > 10,000$ and whereby the ratio of the apparent density over the bulk density of the toner particles satisfies the following equation: $\text{app/bulk} > 0.2$. According to preferred embodiments, more than 50 percent by volume of the toner particles have equivalent particle size diameters of less than 4 resp. 3 microns.

IPC 1-7

G03G 9/08; **G03G 9/097**

IPC 8 full level

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