

Title (en)

TONER FOR DEVELOPING STATICALLY CHARGED IMAGES AND PROCESS FOR PREPARATION THEREOF

Publication

**EP 0415727 A3 19910424 (EN)**

Application

**EP 90309421 A 19900829**

Priority

JP 22207189 A 19890829

Abstract (en)

[origin: EP0415727A2] A toner for developing statically charged images, comprising a binder resin, a colorant and a charge-controlling dye and a process for the preparation of this toner are disclosed. This toner consisting of particles composed of these components have a circularity of from 0.95 to 1.0, and the concentration of the dye on the surfaces of the toner particles is from  $1.0 \times 10^{-3}$  to  $4 \times 10^{-3}$  g/g. By dint of these characteristic features, the stability of the frictional chargeability characteristics of the toner is increased, and the contamination of a carrier, a developing device or the like with the dye can be prevented.

IPC 1-7

**G03G 9/08**

IPC 8 full level

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CPC (source: EP)

**G03G 9/0806** (2013.01); **G03G 9/0815** (2013.01); **G03G 9/0825** (2013.01); **G03G 9/0827** (2013.01)

Citation (search report)

- [Y] EP 0253289 A2 19880120 - KAO CORP [JP]
- [A] US 4613559 A 19860923 - OBER CHRISTOPHER K [CA], et al
- [Y] PATENT ABSTRACTS OF JAPAN vol. 13, no. 1 (P-808)(3349) 06 January 1989, & JP-A-63 210850 (MITA IND. CO. LTD.) 01 September 1988,
- [A] DATABASE WPIL, no. 89-018655 Derwent Publications Ltd., London, GB, & JP-A-63293554 (CANON K.K.)
- [A] PATENT ABSTRACTS OF JAPAN vol. 13, no. 165 (P-860)(3513) 20 April 1989, & JP-A-64 2063 (RICOH CO. LTD.) 06 January 1989,
- [A] PATENT ABSTRACTS OF JAPAN vol. 10, no. 190 (P-474)() 04 July 1986, & JP-A-61 35457 (CANON INC.) 19 February 1986,

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