

Title (en)

NEW CROSS-LINKING SYSTEM FOR MAKING TONERS THAT ARE USEFUL IN ELECTROPHOTOGRAPHY

Publication

**EP 0261585 A3 19890906 (EN)**

Application

**EP 87113572 A 19870916**

Priority

US 91203386 A 19860926

Abstract (en)

[origin: EP0261585A2] Disclosed is a process for making a toner comprising the steps of melt-blending a resin and a colorant and subsequently grinding the blend after cooling, wherein the improvement comprises simultaneously cross-linking the resin during the melt-blending step by melt-blending the resin and colorant, at a temperature sufficient to cross-link the resin, in the presence of a polyfunctional azide having the formula  $(N_3 @O)y-R-(SO_2N_3)_z$  where R is an organic radical, y and z are integers from 0 to 10, and the sum of y and z is an integer from 2 to 10.

IPC 1-7

**G03G 9/08**

IPC 8 full level

**C08K 5/28** (2006.01); **C08K 5/22** (2006.01); **C09D 5/03** (2006.01); **G03G 9/087** (2006.01)

CPC (source: EP KR)

**G03G 9/00** (2013.01 - KR); **G03G 9/08793** (2013.01 - EP)

Citation (search report)

- [Y] GB 2003885 A 19790321 - FUJI XEROX CO LTD
- [AD] US 4565763 A 19860121 - UCHIYAMA MASAKI [JP], et al
- [X] DE 1948132 A1 19700924 - HERCULES INC

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EP1128223A3; EP0628882A1; US5407772A; US5352556A; EP0590314A1; US5395723A; EP0550989A1; US5401602A

Designated contracting state (EPC)

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DOCDB simple family (publication)

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