

Title (en)

Toner particles containing a mixture of a modified linear polymer, a cross-linked polymer and a wax

Title (de)

Tonerteilchen, die eine Mischung aus einem modifizierten linearen Polymer, einem vernetzten Polymer und einem Wachs enthalten

Title (fr)

Particules de toner contenant un mélange d'un polymère linéaire modifié, un polymère réticulé et une cire

Publication

EP 0913735 A3 19991020 (EN)

Application

EP 98203500 A 19981016

Priority

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- EP 97203377 A 19971031

Abstract (en)

[origin: EP0913735A2] Dry toner particles with a resinous matrix containing a mixture of a polymer (LPC) with low softening point and $T_g > 3$, modified by a modifier (D) selected from the group consisting of long chain aliphatic compounds with a reactive end group and having between 20 and 250 carbon atoms and a polysiloxane, said modifier and said polymer being present in a molar ratio LPC/D between 0.8 and 1.25 and a non-linear polymer with a softening point T_s such that $110 \text{ DEG C} \leq T_s \leq 135 \text{ DEG C}$. The toner particles further contain a wax chosen from waxes having a melting point near to the softening point of the branched polymer B.

IPC 1-7

G03G 9/087

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [DX] EP 0716351 A2 19960612 - CANON KK [JP]
- [A] EP 0606873 A1 19940720 - CANON KK [JP]
- [A] EP 0662640 A2 19950712 - CANON KK [JP]
- [DA] DE 19520580 A1 19951214 - TOMOEGAWA PAPER MFG CO LTD [JP]

Cited by

EP1197806A3; WO0161417A1

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