

Title (en)

Radiation curable toner particles

Title (de)

Strahlungshärtbare Tonerteilchen

Title (fr)

Particules de toner durcissables par rayonnement

Publication

EP 0821281 A1 19980128 (EN)

Application

EP 97201977 A 19970627

Priority

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- EP 96202126 A 19960726

Abstract (en)

Toner particles comprising a toner resin are provided, characterised in that the toner resin comprises a radiation curable resin having a $T_g \geq 35$ DEG C. The radiation curable resin is preferably a UV-curable resin and is a member selected from the group consisting of unsaturated polyester/polyurethaneacrylate mixture and unsaturated polyester/polyurethane-vinylether mixture. A method and an apparatus for forming radiation cured toner images are also provided.

IPC 1-7

G03G 9/087; **G03G 9/09**

IPC 8 full level

G03G 9/087 (2006.01); **G03G 9/09** (2006.01)

CPC (source: EP)

G03G 9/08793 (2013.01); **G03G 9/08795** (2013.01); **G03G 9/0926** (2013.01)

Citation (search report)

- [X] US 5212526 A 19930518 - DOMOTO GERALD A [US], et al
- [X] EP 0250139 A2 19871223 - KAO CORP [JP]
- [DX] EP 0667381 A2 19950816 - CIBA GEIGY AG [CH]
- [X] EP 0601235 A1 19940615 - AGFA GEVAERT NV [BE]
- [X] WO 8909433 A1 19891005 - OLIN CORP [US]
- [A] EP 0344308 A1 19891206 - MITSUI TOATSU CHEMICALS [JP]
- [A] US 5466556 A 19951114 - INAISHI KOUJI [JP]

Cited by

EP1341048A1; EP1793281A1; JP2013057868A; EP1610186A3; EP1959304A3; EP1437628A1; US6461782B1; US8039187B2; WO2005109110A1; WO2005116778A1; WO0101202A1; WO0101201A1; US7695879B2; US7494755B2

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