

Title (en)

Two-component developer for developing electrostatic images.

Title (de)

2-Komponenten-Entwickler zur Entwicklung elektrostatischer Abbildungen.

Title (fr)

Développeur à deux composants pour le développement d'images électrostatiques.

Publication

**EP 0449541 A1 19911002 (EN)**

Application

**EP 91302558 A 19910325**

Priority

- JP 7566690 A 19900327
- JP 7895390 A 19900329

Abstract (en)

Disclosed is a two-component developer, which comprises, as the carrier, specific sintered ferrite particles obtained by modifying ferrite particles obtained by modifying ferrite customarily used for a carrier, and which can provide a copies image having a high quality, while improving the stirring property and flowability of the carrier. This carrier comprises sintered ferrite particles having an internal pore ratio, based on the area, of 20 to 30% in an amount of 50 to 80% by weight based on the entire carrier, and the developing voltage dependency of the electric resistance of the carrier is reduced and controlled to an appropriate level. <IMAGE>

IPC 1-7

**G03G 9/107**

IPC 8 full level

**G03G 9/107** (2006.01)

CPC (source: EP US)

**G03G 9/1075** (2013.01 - EP US); **G03G 9/1085** (2020.08 - EP US)

Citation (search report)

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- [A] US 3996392 A 19761207 - BERG ALLAN C, et al
- [A] US 4614698 A 19860930 - MIYAKAWA NOBUHIRO [JP], et al
- [A] PATENT ABSTRACTS OF JAPAN vol. 9, no. 105 (P-354)(1828) 09 May 1985, & JP-A-59 228664 (TDK K.K) 22 December 1984,

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EP0710894A1; US5683846A; US8802343B2

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