

Title (en)

Non-magnetic one-component developer.

Title (de)

Nichtmagnetischer Einkomponententwickler.

Title (fr)

Développeur non magnétique à un composant.

Publication

**EP 0438245 A2 19910724 (EN)**

Application

**EP 91300232 A 19910114**

Priority

- JP 461490 A 19900116
- JP 40965790 A 19901211
- JP 40967790 A 19901211

Abstract (en)

A non-magnetic one-component developer suitable for use in a contact or non-contact development system. The developer comprises 100 parts by weight of colored fine particles, which comprises a binder resin and a colorant, and 0.3-10 parts by weight of at least one fine inorganic powder selected from (i) a fine inorganic powder (I) obtained by subjecting a fine inorganic powder having an average particle size of 0.1-10  $\mu\text{m}$  and a heating loss (under drying conditions of 150 DEG C and 1 hour) of at most 1 wt.% to a hydrophobicity-imparting treatment with a silicone oil and (ii) a fine inorganic powder (II) obtained by subjecting a fine inorganic powder having an average particle size of 0.1-10  $\mu\text{m}$  to a two-step hydrophobicity-imparting treatment with at least one compound selected from silane coupling agents and silazane compounds and then further with a silicone oil.

IPC 1-7

**G03G 9/097**

IPC 8 full level

**G03G 9/097** (2006.01)

CPC (source: EP US)

**G03G 9/09716** (2013.01 - EP US)

Cited by

US5397670A; EP0609870A1; EP0774696A3; US5695902A; EP0863444A1; US5900315A; US5989768A

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