Title (en)

TWO-COMPONENT MAGNETIC DEVELOPER FOR MAGNETIC IMAGE CHARACTER RECOGNITION

Publication

EP 0427199 A3 19910605 (EN)

Application

EP 90121213 A 19901106

Priority

US 43324889 A 19891108

Abstract (en)

[origin: EP0427199A2] A two-component type magnetic developer and its use in electrostatographic processes for generating documents suitable for magnetic image character recognition is described. The developer comprises a mixture of a magnetic carrier and a magnetic toner comprising particles of a binder resin medium and a magnetic material dispersed in the binder resin medium. The magnetic carrier is composed of acicular magnetic stainless steel particles containing a chromium content of at least 9 percent by weight which have been passivated to form a chromium-rich, stable film on the particle surfaces. The magnetic carrier in the developer provides magnetic image character recognition images and characters of excellent magnetic image character recognition readable quality and developed images of excellent image density and sharpness.

IPC 1-7

G03G 9/107

IPC 8 full level

G03G 9/08 (2006.01); **G03G 9/087** (2006.01); **G03G 9/107** (2006.01)

CPC (source: EP US)

G03G 9/08708 (2013.01 - EP); **G03G 9/08711** (2013.01 - EP); **G03G 9/08737** (2013.01 - EP); **G03G 9/1075** (2013.01 - EP US); **G03G 9/1087** (2020.08 - EP US); G03G 2215/0609 (2013.01 - EP)

Citation (search report)

- [A] DE 2007003 A1 19700820
- [AD] GB 2054883 A 19810218 - EASTMAN KODAK CO
- [A] EP 0060703 A1 19820922 - XEROX CORP [US]
- [A] PATENT ABSTRACTS OF JAPAN vol. 12, no. 249 (P-730)(3096) 14 July 1988, & JP-A-63 38961 (TORAY IND. INC.) 19 February 1988,
- [A] RESEARCH DISCLOSURE November 1979, no.187, page 612, ref.no.18727 Disclosed anonymously:"Electrographic magnetic carrier particles"

Cited by

EP0791864A1; EP0468525A1; US5411830A

Designated contracting state (EPC)

BE DE FR GB NL

DOCDB simple family (publication)

EP 0427199 A2 19910515; **EP 0427199 A3 19910605**; JP H03174545 A 19910729

DOCDB simple family (application)

EP 90121213 A 19901106; JP 30002590 A 19901107