

Title (en)

COMPOSITE PARTICLE CONTAINING SUPERPARAMAGNETIC IRON OXIDE

Title (de)

SUPERPARAMAGNETISCHES EISENOXID ENTHALTENDE KOMPOSITPARTIKEL

Title (fr)

PARTICULE COMPOSITE CONTENANT UN OXYDE DE FER SUPERPARAMAGNETIQUE

Publication

**EP 1440452 A1 20040728 (DE)**

Application

**EP 02777335 A 20021030**

Priority

- DE 10153639 A 20011031
- EP 0212118 W 20021030

Abstract (en)

[origin: WO03038842A1] The invention relates to a method for producing composite particles in which superparamagnetic iron oxide particles having a diameter of less than 30 nm are contained in a polysiloxane matrix comprising functional groups. The composite particles obtained by the method are suitable for magnetic separation methods.

IPC 1-7

**H01F 1/00**; **H01F 1/36**; **B03C 1/01**; **G01N 33/543**

IPC 8 full level

**B03C 1/00** (2006.01); **B01J 19/00** (2006.01); **B01J 20/26** (2006.01); **B03C 1/01** (2006.01); **G01N 33/543** (2006.01); **H01F 1/00** (2006.01); **H01F 1/36** (2006.01)

CPC (source: EP US)

**B03C 1/01** (2013.01 - EP US); **B82Y 25/00** (2013.01 - EP US); **G01N 33/5434** (2013.01 - EP US); **H01F 1/0063** (2013.01 - EP US); **H01F 1/36** (2013.01 - EP US)

Citation (search report)

See references of WO 03038842A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)

**WO 03038842 A1 20030508**; CA 2464752 A1 20030508; DE 10153639 A1 20030522; EP 1440452 A1 20040728; JP 2005507316 A 20050317; US 2004265233 A1 20041230

DOCDB simple family (application)

**EP 0212118 W 20021030**; CA 2464752 A 20021030; DE 10153639 A 20011031; EP 02777335 A 20021030; JP 2003541003 A 20021030; US 49306304 A 20040629