Title (en)

MAGNETORHEOLOGICAL MATERIALS UTILIZING SURFACE-MODIFIED PARTICLES

Title (de)

MAGNETORHEOLOGISCHE MATERIALIEN UNTER BENUTZUNG VON OBERFLÄCHENMODIFIZIERTEN PARTIKELN

Title (fr)

MATERIAUX MAGNETORHEOLOGIQUES UTILISANT DES PARTICULES A SURFACE MODIFIEE

Publication

EP 0672294 B1 20010228 (EN)

Application

EP 94900405 A 19931027

Priority

- US 9310285 W 19931027
- US 96968792 A 19921030

Abstract (en)

[origin: WO9410694A1] A magnetorheological material containing a carrier fluid and a magnetically active particle. The particle has been modified so that the surface of the particle is substantially free of contamination products. The contamination products are removed from the surface of the particle by abrader processing, chemical treatment or a combination thereof. Magnetorheological materials prepared using the particles from which contamination products have been removed exhibit significantly enhanced magnetorheological effects.

IPC 1-7

H01F 1/28

IPC 8 full level

C10M 125/04 (2006.01); **C10M 125/10** (2006.01); **C10M 125/12** (2006.01); **C10M 171/00** (2006.01); **C10M 177/00** (2006.01); **H01F 1/28** (2006.01); **H01F 1/44** (2006.01); C10N 10/04 (2006.01); C10N 10/06 (2006.01); C10N 10/08 (2006.01); C10N 10/12 (2006.01); C10N 10/16 (2006.01); C10N 20/06 (2006.01); C10N 30/00 (2006.01); C10N 30/06 (2006.01); C10N 40/14 (2006.01); C10N 70/00 (2006.01)

CPC (source: EP)

H01F 1/447 (2013.01)

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WO 9410694 A1 19940511; CA 2148001 A1 19940511; CN 1088021 A 19940615; DE 69329975 D1 20010405; DE 69329975 T2 20010719; EP 0672294 A1 19950920; EP 0672294 A4 19950614; EP 0672294 B1 20010228; JP 3226925 B2 20011112; JP H08503009 A 19960402; RU 2115967 C1 19980720; RU 95110047 A 19970127

DOCDB simple family (application)

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