

Title (en)
IMPROVED MR DEVICE

Title (de)
VERBESSERTE MAGNETORHEOLOGISCHE VORRICHTUNG

Title (fr)
DISPOSITIF MAGNETORHEOLOGIQUE AMELIORE

Publication
EP 1559119 A2 20050803 (EN)

Application
EP 03796366 A 20031106

Priority
• US 0335605 W 20031106
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• US 28907102 A 20021106

Abstract (en)
[origin: WO2004044931A2] Magnetorheological devices, including damping devices, rotary devices, and haptic systems constructed with said devices are disclosed. The devices contain dry magnetically-responsive particles, or MR fluids containing the magnetically responsive particles. The magnetically soft particles characterized by a single process yield population of atomized particles having a cumulative 10 %, 50 % and 90 % by volume, fraction within specified size, i.e., D10 of from 2 up to and including a D10 of 5 µm, a D50 8 µm up to and including a D50 of 15 µm, a D90 of 25 µm up to and including a D90 of 40 µm, and characterized by a least squares regression of log normal particles size against cumulative volume % fraction of greater than or equal to 0.77.

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IPC 8 full level
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CPC (source: EP KR)
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Citation (search report)
See references of WO 2004044931A2

Cited by
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DE FR GB IT SE

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WO 2004044931 A2 20040527; **WO 2004044931 A3 20040715**; DE 60316461 D1 20071031; DE 60316461 T2 20080626; EP 1559119 A2 20050803; EP 1559119 B1 20070919; JP 2006505957 A 20060216; KR 20050065633 A 20050629

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