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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.



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(54) Title: MAGNETORHEOLOGICAL COMPOSITION

(57) Abstract: The invention provides a magnetorheological device employing narrow design gap and containing a magnetic-responsive composition exhibiting reduced off-states forces and good performance. Specifically, this invention is directed to a magnetorheological device of defined gap, and employing a magnetic-responsive composition characterized by comprising non-spherical magnetic-responsive particles of average number diameter distribution (d_{50}) from 6 to 100 microns and at least friction-reducing additive that reduces the interparticle friction between the magnetic-responsive particles.

INTERNATIONAL SEARCH REPORT

International Application No

EP/US 01/14358

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H01F1/44

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 354 488 A (DAVISON WILLIAM W ET AL) 11 October 1994 (1994-10-11) column 4, line 25 -column 7, line 15; claim 1 ---	1,7,12, 20
A	US 5 705 085 A (MUNOZ BETH C ET AL) 6 January 1998 (1998-01-06) column 2, line 54 - line 62; claims 1,6-11,18 ---	1,14,15, 18,24
A	US 5 518 639 A (LAWRENCE ANN ET AL) 21 May 1996 (1996-05-21) column 5, line 5 - line 22; claim 1 -----	1,2, 8-13,16, 17,22,23

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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Date of the actual completion of the international search

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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