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(71) Applicant *(for all designated States except US)*: **FERX INCORPORATED** [US/US]; Suite 250, 4330 La Jolla Village Drive, San Diego, CA 92122 (US).

(72) Inventors; and
(75) Inventors/Applicants *(for US only)*: **MITCHINER, Robert** [US/US]; 2620 Stratford Lane, Longmont, CO 80502 (US). **KENT, Thomas, B.** [US/US]; 2493 Kalmia Avenue, Boulder, CO 80304 (US). **PETERSON, Caryn** [US/US]; 710 Neptune, Encinitas, CA 92024 (US). **RUDGE, Scott, Raymond** [US/US]; 656 Furman Way, Boulder, CO 80303 (US).

(74) Agent: **GARDNER, Diane, L.**; Fish & Richardson P.C., Suite 500, 4350 La Jolla Village Drive, San Diego, CA 92122 (US).

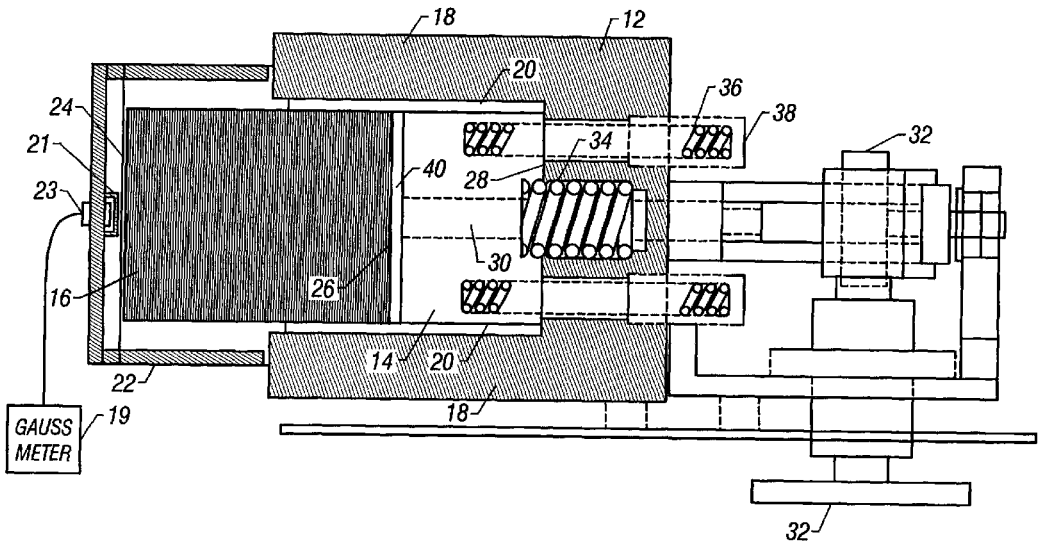
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(54) Title: PERMANENT MAGNET KEEPER-SHIELD ASSEMBLY



(57) Abstract: A magnet keeper-shield assembly adapted to hold and store a permanent magnet used to generate a high gradient magnetic field. Such a field may penetrate into deep targeted tumor sites in order to attract magnetically responsive micro-carriers. The magnet keeper-shield assembly includes a magnetically permeable keeper-shield with a bore dimensioned to hold the magnet. A screw driven actuator is used to push the magnet partially out of the keeper-shield. The actuator is assisted by several springs extending through the base of the keeper-shield.

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