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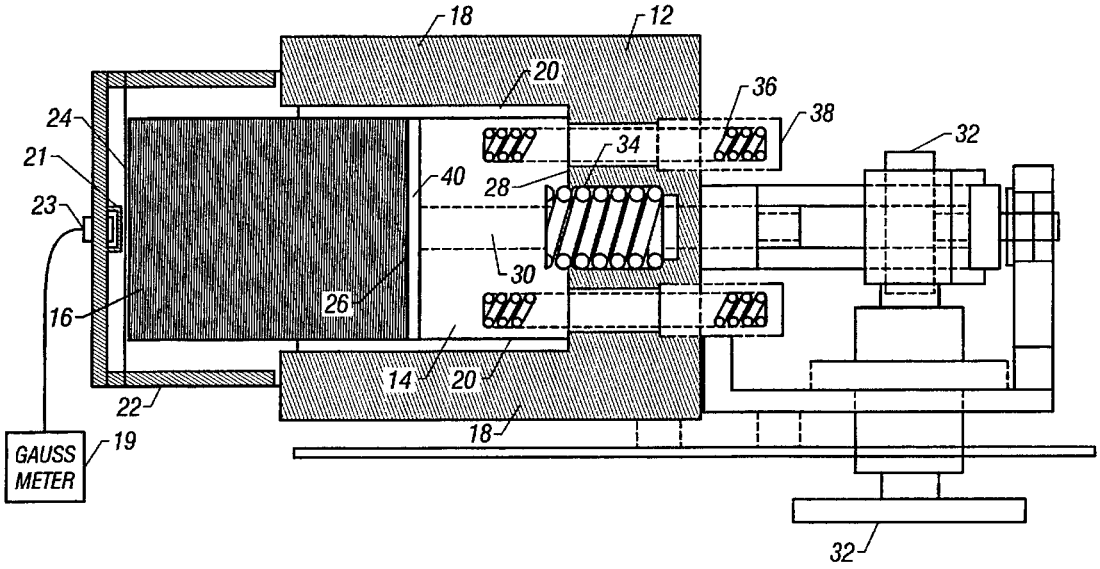
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(54) Title: PERMANENT MAGNET KEEPER-SHIELD ASSEMBLY



(57) Abstract: A magnet keeper-shield assembly (10) adapted to hold and store a permanent magnet (16) 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 (10) includes a magnetically permeable keeper-shield with a bore (14) dimensioned to hold the magnet (16). A screw driven actuator (34) is used to push the magnet (16) partially out of the keeper-shield (10). The actuator (34) is assisted by several springs (36) extending through the base (28) of the keeper-shield (10).

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