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(54) **DEVICES AND PROCESS FOR HIGH-PRESSURE MAGIC ANGLE SPINNING NUCLEAR MAGNETIC RESONANCE**

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G01V 3/00 (2006.01)

(52) **U.S. Cl.**
USPC **324/307**

(58) **Field of Classification Search**
USPC 324/300–322
See application file for complete search history.

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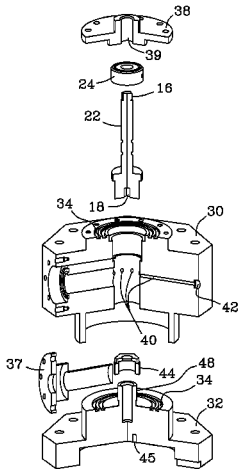
(57) **ABSTRACT**

A high-pressure magic angle spinning (MAS) rotor is detailed that includes a high-pressure sample cell that maintains high pressures exceeding 150 bar. The sample cell design minimizes pressure losses due to penetration over an extended period of time.

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