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Poston et al.

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(54) **DETECTOR FOR A METER PROVER**

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(52) **U.S. Cl.** **73/1.18**

(58) **Field of Search** 73/1.18, 865.8;
200/61.41; 116/204, 202, 281, 203, 209

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(57) **ABSTRACT**

A detector for a meter prover. The detector includes a non-ferromagnetic barrel having a cylindrical bore formed longitudinally therethrough. A magnetic proximity switch is mounted in the bore near one end of the barrel. A ferromagnetic piston is disposed in the bore near the other end of the barrel. A spring urges the piston away from the proximity switch. A pair of wipers surrounds the piston and forms a fluid tight seal between the bore and the piston. A passageway extends longitudinally through the length of the piston in order to permit fluid flow therethrough.

15 Claims, 1 Drawing Sheet

