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(54) **MULTI-LEVEL LIQUID LEVEL MAGNETIC SENSOR**

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(57) **ABSTRACT**

A liquid level sensor employs a set of axially displaced magnetic sensing switches and a magnet on a float that may rise and fall on liquid level to activate and deactivate the switches. The switches and magnet are configured so that movement of the magnetic float activates a new switch before deactivation of an adjacent previously activated switch. An electronic circuit provides a signal based on the uppermost activated switch to provide a signal that is monotonic with liquid level. The design may be readily implemented using reed switches and a resistive ladder.