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(54) **HIGH THROUGHPUT MICROBALANCE AND METHODS OF USING SAME**

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(57) **ABSTRACT**

A method and apparatus for measurement of mass of small sample sizes. The method and apparatus is particularly adapted for providing microbalance measurement of solid materials as part of a combinatorial research program. The method and apparatus contemplate monitoring the response of a resonator holding a sample and correlating the response with mass change in the samples.

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