

(19) **United States**

(12) **Patent Application Publication**
Carlson et al.

(10) **Pub. No.: US 2005/0166679 A1**

(43) **Pub. Date: Aug. 4, 2005**

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

(22) Filed: **Mar. 28, 2005**

Related U.S. Application Data

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(63) Continuation of application No. 10/155,207, filed on May 24, 2002.

Publication Classification

(51) **Int. Cl.⁷ G01N 29/00**
(52) **U.S. Cl. 73/579**

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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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(21) Appl. No.: **11/091,607**

