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ACTION

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(54) Title: APPARATUS FOR POLYNUCLEOTIDE DETECTION AND QUANTITATION

(57) Abstract: An apparatus for expression profiling analysis, subjecting biological materials to polynucleotide extraction, amplification and analysis. The apparatus include an amplification device which permits the amplification of polynucleotides and an analysis device which quantifies the amount of the amplified polynucleotide products. The amplification device of the apparatus may further permit polynucleotide extraction to prepare the template for amplification, or sequence identification of a quantified polynucleotide product. A fraction collector may be included in the apparatus to collect a qualified polynucleotide product before its sequence is identified. The analysis device may further permit data generation, or alternatively, data can be generated by a separate data generation device provided with the apparatus. The devices within the apparatus are connected by connecting means which permit the transfer of a fluid or a signal for amplification and analysis.