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(54) Title: QUANTITATIVE, HIGHLY MULTIPLEXED DETECTION OF NUCLEIC ACIDS

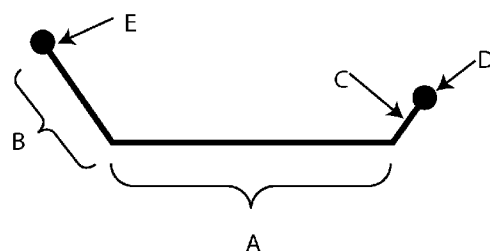


Fig. 1A

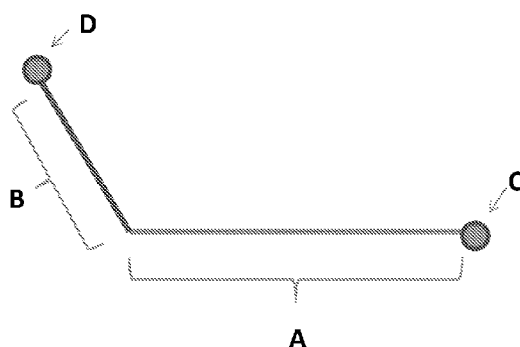


Fig. 1B

(57) Abstract: This invention provides methods of detecting and quantifying target nucleic acids in samples in multiplexed single chamber reactions. Consumables incorporating chambers optimized to reduce signal background proximal to high efficiency arrays are provided, as well as methods of use. Devices and systems configured to use the consumables to practice the methods are a feature of the invention.