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Link et al.

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(54) **DIGITAL ANALYTE ANALYSIS**

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This patent is subject to a terminal disclaimer.

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(58) **Field of Classification Search**
USPC 435/6.12, 91.2
See application file for complete search history.

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(57) **ABSTRACT**

The invention generally relates to droplet based digital PCR and methods for analyzing a target nucleic acid using the same. In certain embodiments, methods of the invention involve forming sample droplets containing, on average, a single target nucleic acid, amplifying the target in the droplets, excluding droplets containing amplicon from the target and amplicon from a variant of the target, and analyzing target amplicons.

24 Claims, 51 Drawing Sheets