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(71) Applicant (for all designated States except US): **BRITISH COLUMBIA CANCER AGENCY BRANCH** [CA/CA]; 675 West 10th Avenue, Vancouver, British Columbia V5Z 1L3 (CA).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **COOPE, Robin J. Noel** [CA/CA]; 3080 Alberta Street, Vancouver, British Columbia V5Y 3L9 (CA). **SLOBODAN, Jared Raymond**

[CA/CA]; 7780 Sunnydene Road, Richmond, British Columbia V6Y 1H1 (CA).

(74) Agents: **MANNING, Gavin N.** et al.; c/o Oyen Wiggs Green & Mutala LLP, 480 - The Station 601 West Cordova Street, Vancouver, British Columbia V6B 1G1 (CA).

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(54) Title: AUTOMATED SIZE SELECTION OF NUCLEIC ACIDS

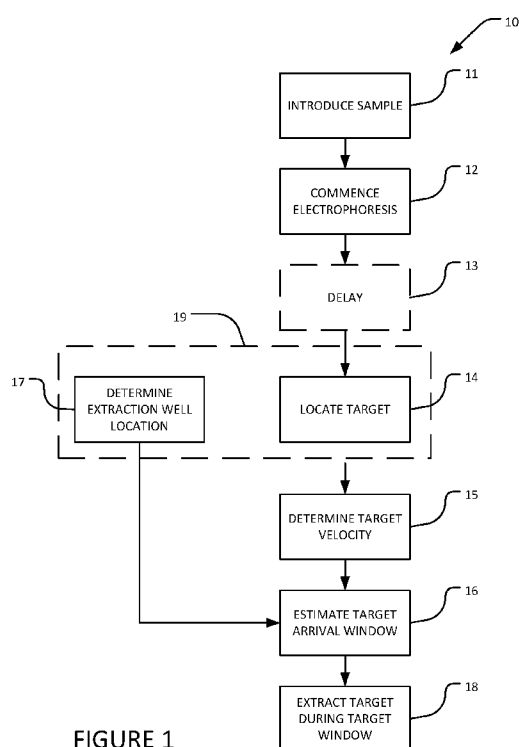


FIGURE 1

(57) Abstract: Apparatus and methods for size selecting nucleic acid molecules having wide range of applications including the production of DNA libraries for sequencing technologies. An automated high throughput system for size selection of multiple nucleic acid samples that uses imaging technique to detect the progress of a target fraction and feedback from the imaging to control electrophoresis. Predictive algorithms for timed nucleic acid extractions are generated to provide size selected nucleic acid molecules of required size ranges.



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