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(71) Applicant *(for all designated States except US)*: **AGENCY FOR SCIENCE, TECHNOLOGY AND RESEARCH** [SG/SG]; 20 Biopolis Way, #07-01 Centros, Singapore 138668 (SG).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **XU, Guolin** [CN/SG]; Blk 436 Woodlands Street 41 #12-398, Singapore 730436 (SG). **MAO, Pei-Lin** [CA/SG]; 2B Hong San Walk #16-01 Palm Garden, Singapore 689048 (SG). **YU, Yuan, Hong** [MY/SG]; Blk 138 Bishan Street 12 #06-456, Singapore 570138 (SG). **LAO, Yuanzhi** [CN/SG]; Blk 5 West Coast Walk, #22-04 West Peak Condominium, Singapore 127146 (SG). **ZHANG, Chunyang** [CN/SG]; 134B West Coast Way, Singapore 127064 (SG). **KWAN, Meng, Hui** [SG/SG]; 32 Eng Kong Garden, Singapore 599248 (SG). **SAW, Lin Kiat** [MY/SG]; Blk 359 Clementi Avenue 2 #10-307, Singapore 120359 (SG). **TING, Dor, Ngi** [MY/SG]; 39 Marine Parade Road, #05-01 Parkway View, Singapore 449265 (SG). **POLLA, Dennis, Lee** [US/US]; 2830 Hillscourte South, Roseville, MN 55113 (US).

(74) Agent: **WATKIN, Timothy, Lawrence, Harvey**; Lloyd Wise, Tanjong Pagar, P.O. Box 636, Singapore 910816 (SG).

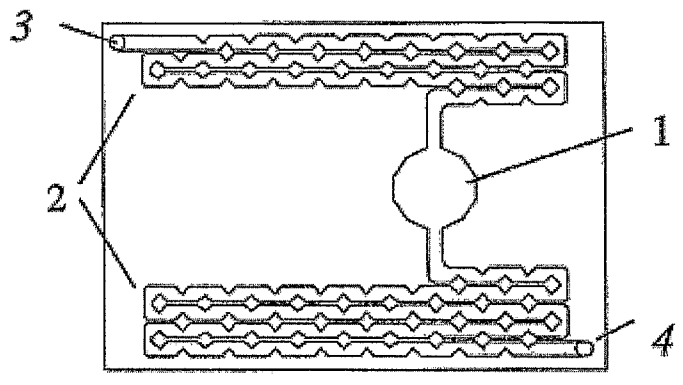
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(54) Title: METHOD AND SYSTEM FOR CELL AND/OR NUCLEIC ACID MOLECULES ISOLATION



(57) Abstract: The present invention relates to methods and system for tissue cell and/or nucleic acid molecule isolation. In particular, to a method for isolating nucleic acid molecules from tissue samples comprising: i) treating a tissue sample with at least one enzyme for tissue dissociation; ii) adding a lytic solution; and iii) isolating nucleic acid molecules. The method further comprises a step of applying hydrodynamic shear force to the product of step (i). The methods and/or system according to the invention are adaptable for use with micromechanical and/or automated processes.

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