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(71) Applicant: **DUKE UNIVERSITY** [US/US]; 2812 Erwin Road, Suite 306, Durham, NC 27705 (US).

(72) Inventors: **YELLEN, Benjamin**; c/o Duke University, 2812 Erwin Road, Suite 306, Durham, NC 27705 (US). **LI, Ying**; c/o Duke University, 2812 Erwin Road, Suite 306, Durham, NC 27705 (US). **MOTSCHMAN, Jeff**; c/o Duke University, 2812 Erwin Road, Suite 306, Durham, NC 27705 (US).

(74) Agent: **OLIVE, Bentley, J.**; Olive Law Group, PLLC, 125 Edinburgh South Drive, Suite 220, Cary, NC 27511 (US).

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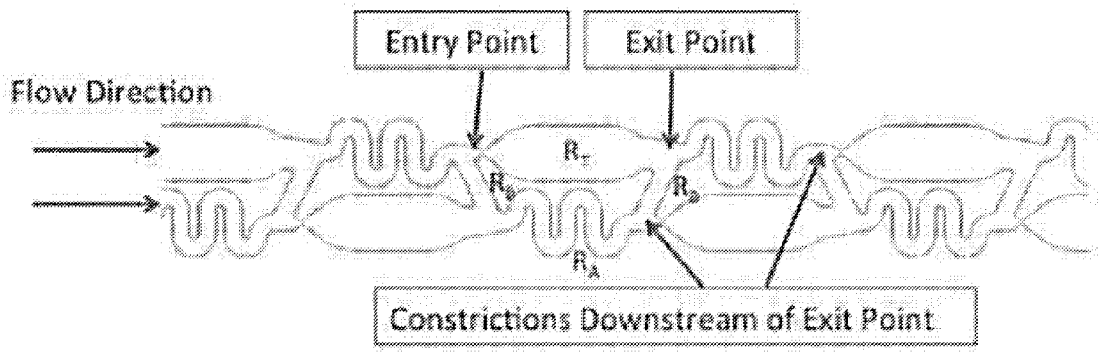


FIG. 1

(57) Abstract: The present disclosure comprises devices, systems and methods for organizing cells into an array, phenotyping them via image-based analysis over short or long durations, and conducting massively parallel barcoded genomic analysis with DNA barcodes that are present next to each cell.

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