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62/445,546 12 January 2017 (12.01.2017) US(71) Applicant: **CELLULAR RESEARCH, INC.** [US/US];  
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(54) Title: METHODS FOR CELL LABEL CLASSIFICATION

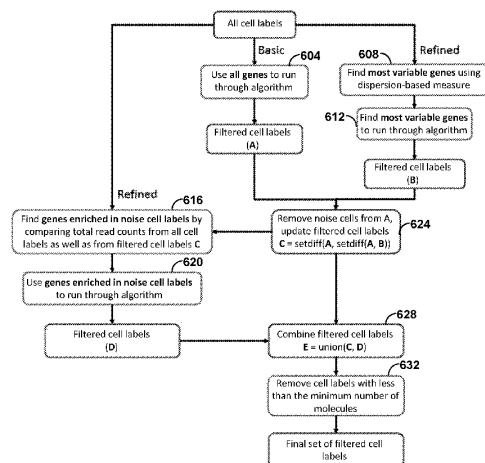


FIG. 6B

(57) Abstract: Disclosed herein are methods and systems for classifying cell labels, for example identifying a signal cell label. In some embodiments, the method comprises: obtaining sequencing data of bar-coded targets created using targets in cells barcoded using barcodes, wherein a barcode comprises a cell label and a molecular label. After ranking the cell labels, a minimum of a second derivative plot of a cumulative sum plot can be determined. Using the methods, a cell label can be classified as a signal cell label or a noise cell label based on the number of molecular labels with distinct sequences associated with the cell label and a cell label threshold.

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