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(54) Title: METHODS AND SYSTEMS FOR SORTING DROPLETS AND BEADS

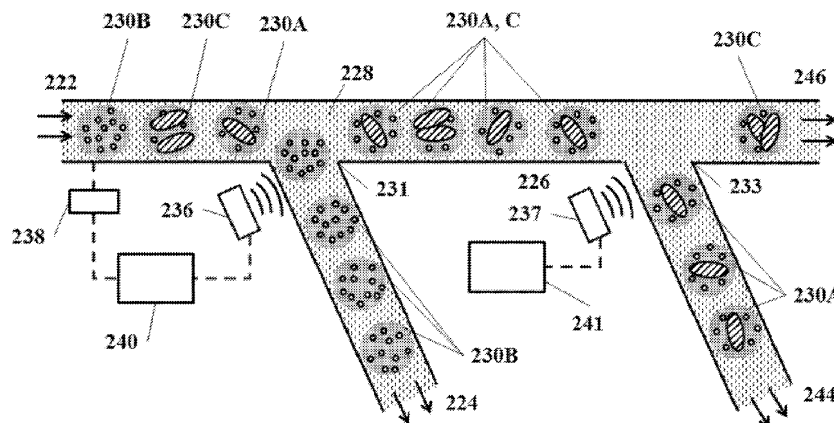


FIG. 2B

(57) Abstract: Methods and systems for sorting droplets are provided. In some cases, occupied droplets may be sorted from unoccupied droplets. In some cases, singularly occupied droplets may be sorted from unoccupied droplets and multiply occupied droplets. Methods and systems for sorting cell beads are provided. In some cases, cell beads may be sorted from particles unoccupied with cell derivatives. In some cases, singularly occupied cell beads may be sorted from unoccupied particles and multiply occupied cell beads. Methods and systems for selectively polymerizing droplets based on occupancy and size of the droplets are provided.

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