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(54) Title: FLOW CELL WITH ENHANCED WELL IMAGING RESOLUTION

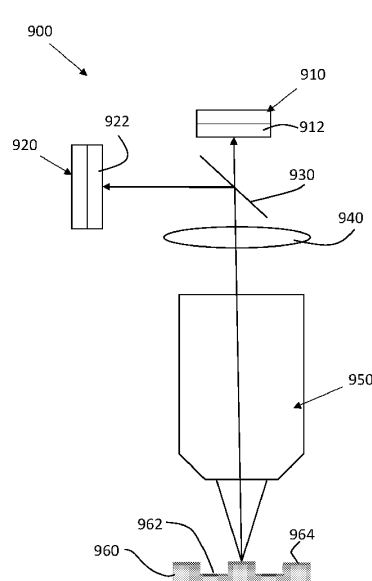


FIG. 9A

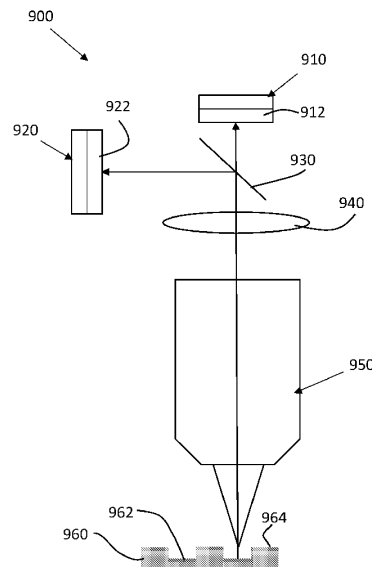


FIG. 9B

(57) Abstract: Resolution of images used in processes such as sequencing by synthesis may be increased by structuring sites that would emit signals in the images to have different elevations. Differences in focus caused by these differences in elevation may be used to filter out background illumination, thereby providing an image in which in focus sites may be resolved even though the separation between any site and its nearest neighbor may be below the diffraction limit of the light that would be emitted.

[Continued on next page]

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