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(54) Title: IMAGE BASED AUTOFOCUS OF OPTICAL SYSTEMS

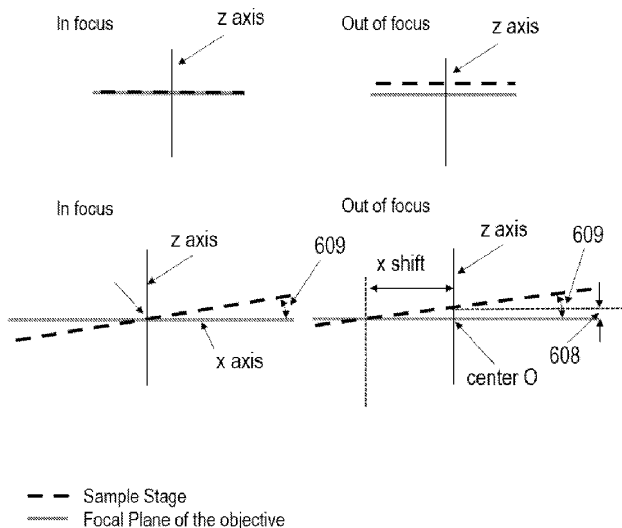


FIG. 6A

(57) Abstract: The present disclosure describes illumination methods and systems for illumination as well as methods and systems for autofocusing the systems. The systems can be used for, for example, microscopy and sequencing platforms. The methods and systems of the present disclosure can provide fast and accurate autofocusing, which can reduce error and improve system throughput.

[Continued on next page]

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