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(54) Title: HIGH RESOLUTION MULTI-FIELD-OF-VIEW IMAGING SYSTEM

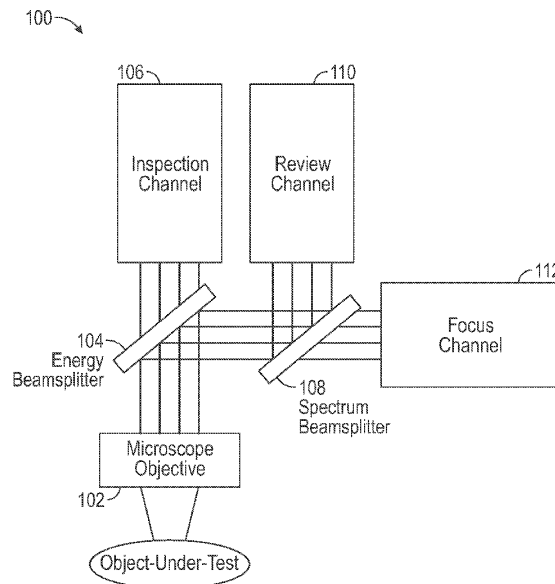


FIG. 1

(57) Abstract: A multichannel tunable lens system may include a review channel with a fluidic focusing device, which can adjust the focus of the channel rapidly to mitigate environmental vibrations. The review channel may generate high resolution images with reduced blur caused by vibrations or air turbulence while increasing the operating speed of the system. The review channel may include a telescope objective and eyepiece with telecentricity to generate a real image of the pupil in the fluidic focusing device. The system may also include an inspection channel to generate lower resolution images in parallel and a focus channel to determine contour information.

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