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(54) Title: SINGLE OPTIC FOR LOW LIGHT AND HIGH LIGHT LEVEL IMAGING

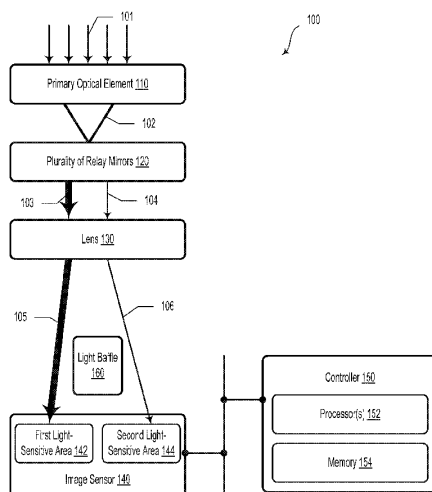


Figure 1

(57) Abstract: The present disclosure relates to multiple view optical systems. An example optical system includes at least one primary optical element configured to receive incident light from a scene and a plurality of relay mirrors optically coupled to the at least one primary optical element. The optical system also includes a lens optically coupled to the plurality of relay mirrors, and an image sensor configured to receive focused light from the lens. The image sensor includes a first light-sensitive area and a second light-sensitive area. The primary optical element, the plurality of relay mirrors, and the lens interact with the incident light to form a first focused light portion and a second focused light portion. The first focused light portion forms a first image portion of the scene on the first light-sensitive area and the second focused light portion forms a second image portion of the scene on the second light-sensitive area.

WO 2019/133348 A1