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(54) Title: LASER ABSORPTION AND SCATTERED LIGHT METROLOGY TOOL

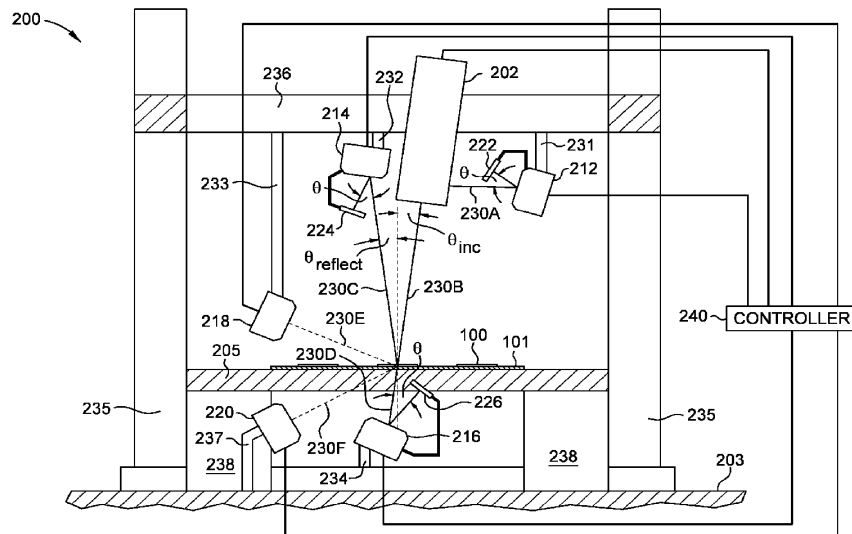


FIG. 2A

(57) Abstract: Embodiments described herein relate to an optical device metrology system including a light source operable to emit a light into a first photodetector light path and an optical light path. A first photodetector disposed in the first photodetector light path measures a total power of the light. The optical device substrate disposed in the optical light path splits the light in a plurality of light paths. A second photodetector in a second photodetector light path measures a reflected power of the light. A third photodetector in a third photodetector light path measures a transmitted power of the light. A fourth photodetector disposed in a fourth photodetector light path and a fifth photodetector disposed in a fifth photodetector light path measure a total scattered power. A controller is operable to receive a plurality of measurements from the photodetectors to calculate a percentage light loss within the optical device substrate.

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