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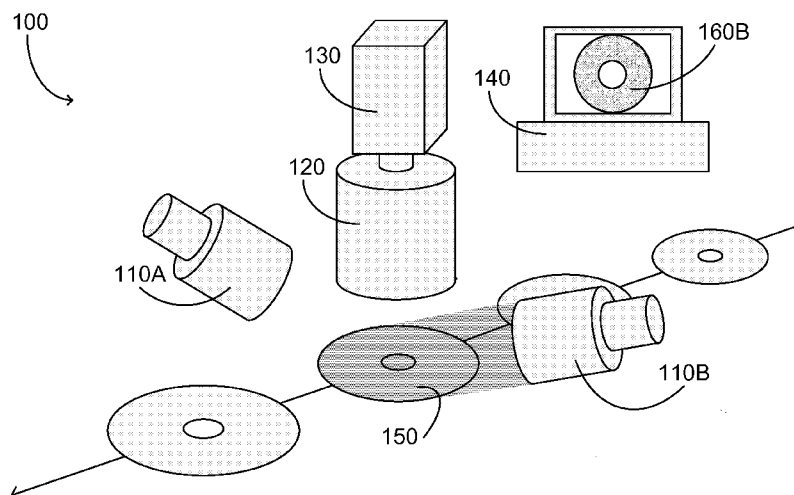


FIG. 1B

(57) Abstract: Provided herein is an apparatus, including a photon detector array configured to receive photons scattered from features in a surface of an article; and a characterization means for characterizing the features in the surface of the article, wherein the characterization means contrasts signals from the photon detector array corresponding to two sets of photons scattered from features in the surface of the article, and the two sets of photons respectively originate from photon emitters at different locations.