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(54) Title: CALIBRATION SYSTEMS AND METHODS FOR ADDITIVE MANUFACTURING SYSTEMS WITH MULTIPLE IMAGE PROJECTION

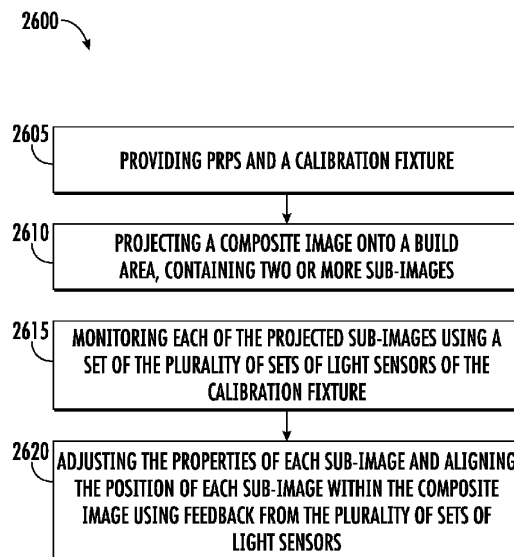


FIG. 26A

(57) Abstract: The present disclosure provides techniques for calibration systems and methods for additive manufacturing systems with multiple image projection. In some embodiments, a method of calibrating two or more image projectors of a photoreactive 3D printing system (PRPS) includes: projecting a sub-image from each of the two or more image projectors; measuring light from an image projector using a light sensor of a calibration system; receiving a signal from the light sensor; processing information from the light sensor; and changing a parameter of a sub-image based on the processed information. In some cases, a PRPS includes a calibration fixture comprising the light sensor. In some cases, a PRPS can be calibrated using a modular calibration fixture comprising the light sensor, wherein the modular calibration fixture can be coupled to the PRPS, leveled and height adjusted, and then a calibration routine can be performed.

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