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(71) Applicant: GELSIGHT, INC. [US/US]; 179 Bear Hill Road, Suite #202, Waltham, MA 02451-1063 (US).

(72) Inventors: ADELSON, Edward, H.; GelSight, Inc., 179 Bear Hill Road, Suite #202, Waltham, MA 02451-1063 (US). COTTRELL, F., Richard; GelSight, Inc., 179 Bear Hill Road, Suite #202, Waltham, MA 02451-1063 (US).

(74) Agent: MAZZARESE, Robert, A. et al.; Strategic Patents, P.C., P.O. Box 920629, Needham, MA 02492 (US).

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(54) Title: RETROGRAPHIC SENSORS

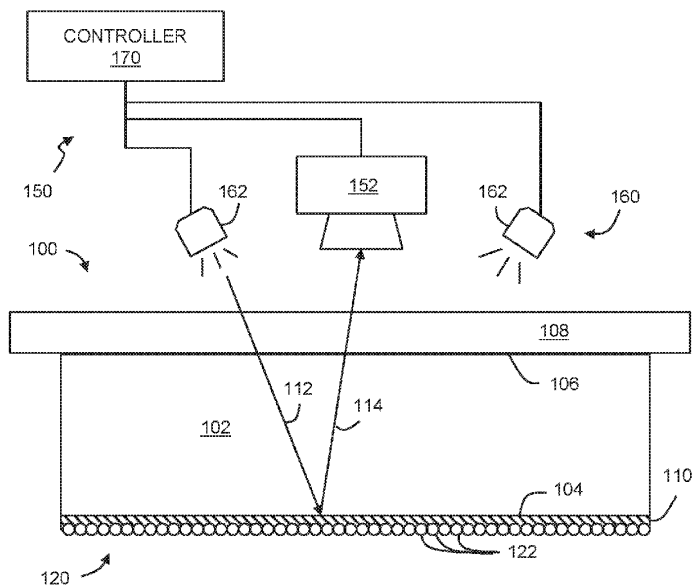


Fig. 1

(57) Abstract: A retrographic sensor includes a clear elastomer substrate, a deformable reflective layer, and a contact surface with an array of rigid, non-planar features formed of a material or a pattern of particles to mitigate adhesion to a target surface while permitting the egress of trapped air around a region of interest. This combination of features permits the contact surface of the sensor to more closely conform to the target surface while physically transferring the topography of the target surface to the deformable layer for imaging through the substrate.

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