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(71) Applicant *(for all designated States except US)*: **ELECTRO SCIENTIFIC INDUSTRIES, INC** [US/US]; 13900 NW Science Park Drive, Portland, Oregon 97229 (US).

(72) Inventor; and

(75) Inventor/Applicant *(for US only)*: **UNRATH, Mark, A.** [US/US]; 2840 SW 66th Ave, Portland, Oregon 97225 (US).

(74) Agent: **ANGELLO, Paul, S.**; Stoel Rives, LLP, 900 SW Fifth Avenue, Suite 2600, Portland, Oregon 97204 (US).

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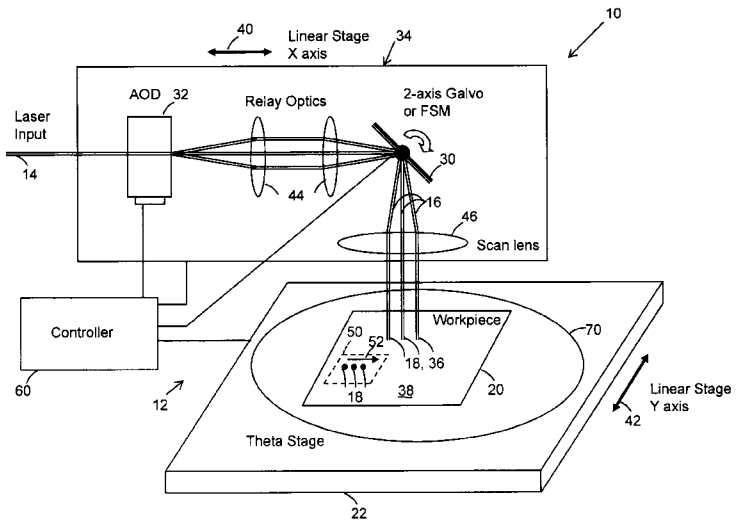


FIG. 1

(57) Abstract: A method of accomplishing high-throughput laser processing of workpiece features (18) arranged in a densely spaced pattern minimizes workpiece feature processing inaccuracy and quality degradation that result from dynamic and thermal loads on laser beam positioning and optical components directing the laser beam during workpiece feature processing. A preferred embodiment is implemented with a laser beam positioning system (32) composed of a zero-inertia optical deflector of an acousto-optic beam deflector (AOD) or an electro-optical deflector (EOD) type, a galvanometer head (30), and a linear stage (34) cooperating to position the laser beam (16) among the workpiece features.

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