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(71) Applicant: **NOVANTA CORPORATION** [US/US]; 125
Middlesex Turnpike, Bedford, MA 01730 (US).

(72) Inventors: **LUCAS, Mark**; 5202 Princeton Way, West-
ford, MA 01886 (US). **SIVAM, Seetharam**; 349 Walden
Street, Concord, MA 01742 (US).

(74) Agent: **HILTON, William E.** et al.; Gesmer Updegrove
LLP, 40 Broad Street, Boston, MA 02109 (US).

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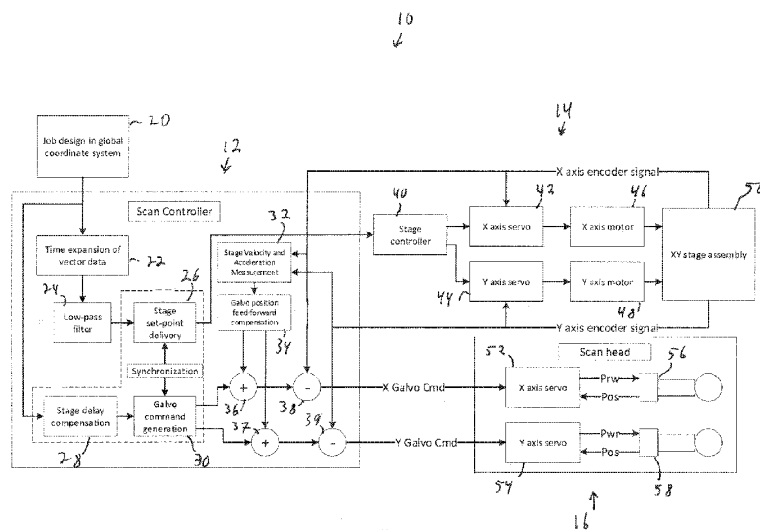


FIG. 1

(57) Abstract: A laser processing system providing on-the-fly laser processing of a workpiece is disclosed. The laser processing system includes a positioning system configured to support the workpiece, a positioning system controller configured to control movement of the workpiece on the positioning system, a scanner system configured to scan a laser beam over the workpiece, and a scanner controller configured to operate the scanner system and the positioning system controller, the scanner controller receiving vector input data for use in feed-forward position compensation.

[Continued on next page]

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