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(71) Applicant: **ELECTRO SCIENTIFIC INDUSTRIES, INC.** [US/US]; 14523 SW Millikan Way, Beaverton, Oregon 97005 (US).

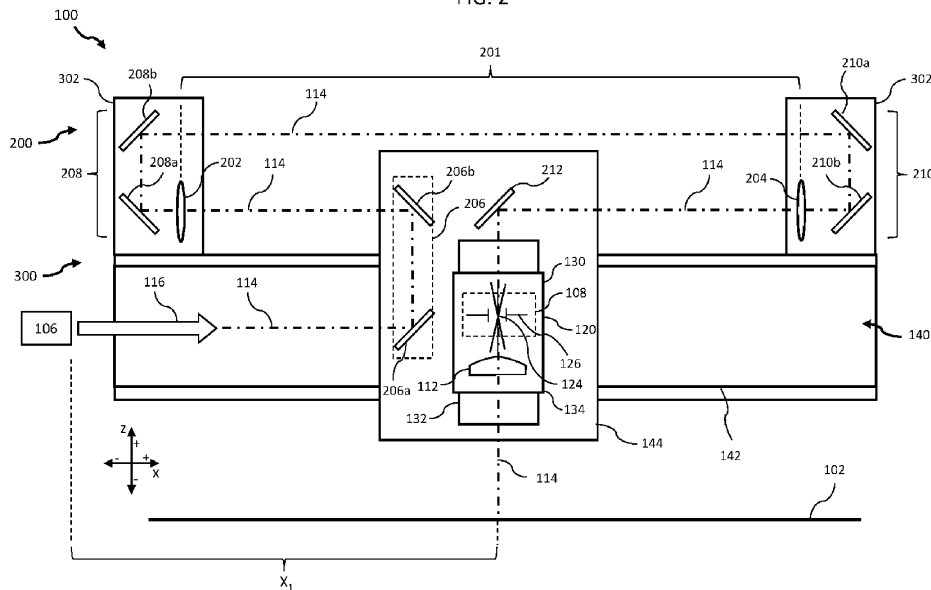
(72) Inventor: **RICHTER, Jered**; 14523 SW Millikan Way, Beaverton, Oregon 97005 (US).

(74) Agent: **TRASK, Edward Scott**; 2 Tech Drive, Suite 201, Andover, Massachusetts 92606 (US).

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(54) Title: MAGNIFICATION-COMPENSATED RELAY FOR CONTROL OF AN IMAGE LOCATION

FIG. 2



(57) Abstract: Embodiments of systems configured to optically relay a beam of laser energy propagating along a beam path to a scan lens are disclosed. In one embodiment, the system includes a first positioner configured to move the scan lens, and an optical relay system configured to relay the beam path to an entrance pupil of the scan lens. The optical relay system includes an optical relay having a first lens, a second lens, a first retroreflector configured to direct the beam path to the optical relay, and a second retroreflector and a third retroreflector positioned on opposing sides of the scan lens. The second retroreflector and the third retroreflector may be positioned between the first lens and the second lens. The first retroreflector may be movable relative to the second retroreflector and the third retroreflector, and the first positioner is configured to move the scan lens relative to the second retroreflector.

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