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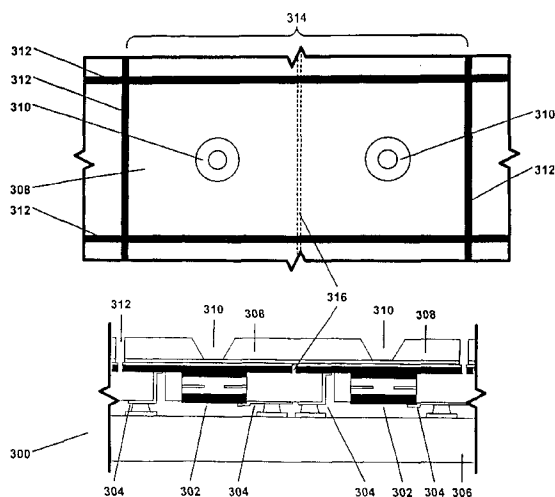
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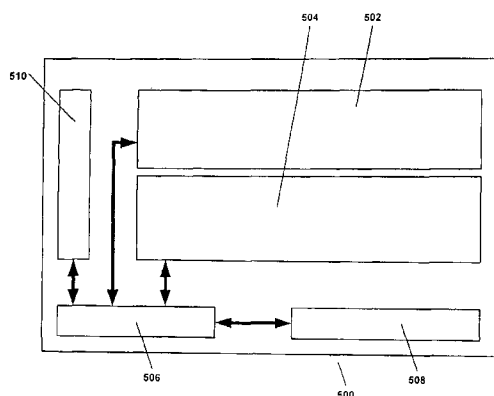
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- (71) Applicant (for all designated States except US): **XANOPTIX, INC.** [US/US]; 10 Al Paul Lane, Merrimack, NH 03054 (US).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): **TREZZA, John** [US/US]; 12 White Oak Drive, Nashua, NH 03063 (US).
- (74) Agent: **STRAUSSMAN, Richard**; Morgan & Finnegan, L.L.P., 345 Park Avenue, New York, NY 10154 (US).
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(54) Title: REDUNDANT OPTICAL DEVICE ARRAY



(57) Abstract: An optical module has multiple optical devices (500). At least two of the multiple optical devices (502, 504) are a group. Each of the optical devices in the group are individually selectable relative to the others. The optical module also has a controller (506), coupled to the devices such that the controller can select which of the devices in the group will be active at a given time. A method of creating an optical chip, having redundant devices, for use in an optoelectronic unit involves growing active portions of multiple optical devices on a wafer, processing the wafer to create complete optical devices, creating individual optical devices (502, 504), grouping the devices; and connecting the devices in a group to a control circuit (506) such that, common data can be received by any of the devices in the group but the common data will only be handled by the device in the group that is active.



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