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(54) Title: GERMANIUM AOD SYSTEM WITH PARALLEL AND PERPENDICULAR ORIENTATIONS

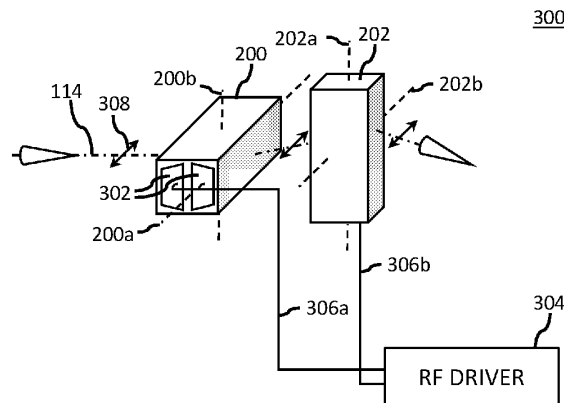


FIG. 3

(57) Abstract: Numerous examples of a multi-axis beam positioner operative to deflect a beam path along which laser light along multiple axes are disclosed. The beam positioner includes a first AOD and a second AOD arranged optically in series with each other. The first and second AODs are arranged and configured to deflect the beam path along a different axes of the multi-axis beam positioner. In one example, AO cell of the first AOD and is formed from the same material as the AO cell of the second AOD but the first AOD is configured differently from the second AOD. In other example, the first AOD and the second AOD are longitudinal-mode AODs and no retarder is present between the first and second AODs. In other example, a heat exchanger is provided to cool the AO cell of the second AOD relative to the AO cell of the first AOD.



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