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(54) Title: LIDAR SYSTEMS AND METHODS

(57) Abstract: The present disclosure is directed to imaging LiDARs that can include a FPSA beam scanner and a lens. One or both of the FPSA beam scanner and lens can be moved laterally to increase a lateral resolution of the LiDAR system. Some embodiments can include a microlens disposed between the FPSA beam scanner and the lens. Methods of use are also provided.

WO 2024/044790 A3