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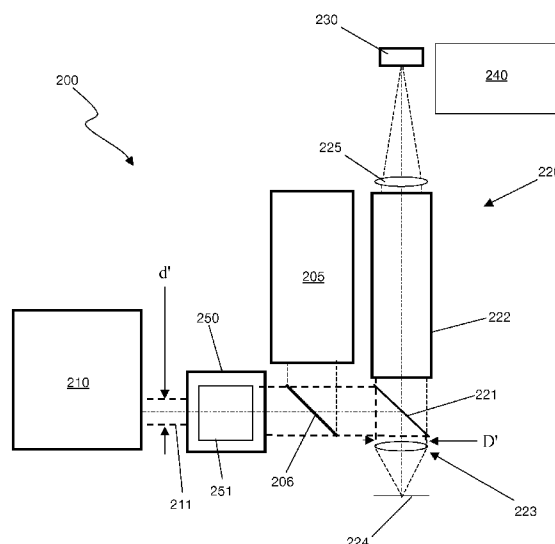
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(54) Title: LASER RANGE SENSOR SYSTEM OPTICS ADAPTER AND METHOD



(57) Abstract: An adapter and method for through the lens (TTL) laser range sensor probes enables use of a TTL probe of a given exit pupil size to be used with a shared objective lens requiring a entrance pupil size, as entered from the laser range sensor, that is different from the TTL probe exit pupil size Embodiments of the adapter include optics, such as a first lens and a resolving second lens that expand or contract the TTL laser radiation depending on whether the first lens is a diverging, a negative focal length lens, or a converging, positive focal length lens, and the second lens is converging or diverging, respectively, in a Galilean arrangement Embodiments also provide a Keplerian arrangement, can function with non-collimated radiation, and can include mirrors to yield a more compact adapter Additional embodiments include at least one adjustable lens element between the first and second lenses.



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