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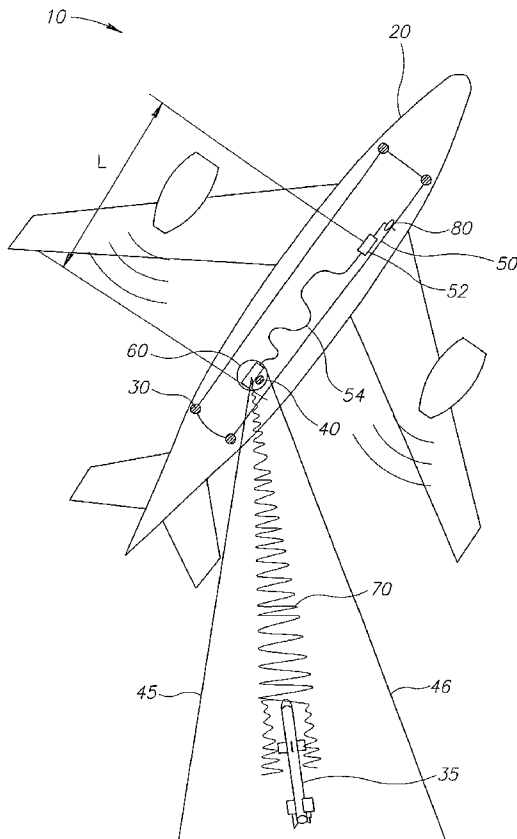
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(54) Title: **FIBER LASER BASED DIRECTIONAL INFRARED COUNTERMEASURE (DIRCM) SYSTEM**



(57) Abstract: A DIRCM (Direct IR Counter Measures) system is described that includes a detection and warning means for detecting a missile that might pose a threat on the platform to which said system is allocated, and generating a warning of its existence. The warning may include data that enable the calculation of the expected direction from which the missile is approaching. The DIRCM system may also include acquisition means for performing acquisition of the approaching missile in accordance with the data provided by the detection and warning means, and issuing data that may enable the calculation in real time of the updated position of the missile, a fiber laser means for generating a laser beam, and a motion and aiming enabled turret means, coupled with the laser means, for directing the laser beam unto the approaching missile. The laser beam may be generated in accordance with the missile's updated position as calculated based on the data received from the acquisition means, and processing means, linked to the detection and warning means, and also to the acquisition means, the laser means and the turret means.

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