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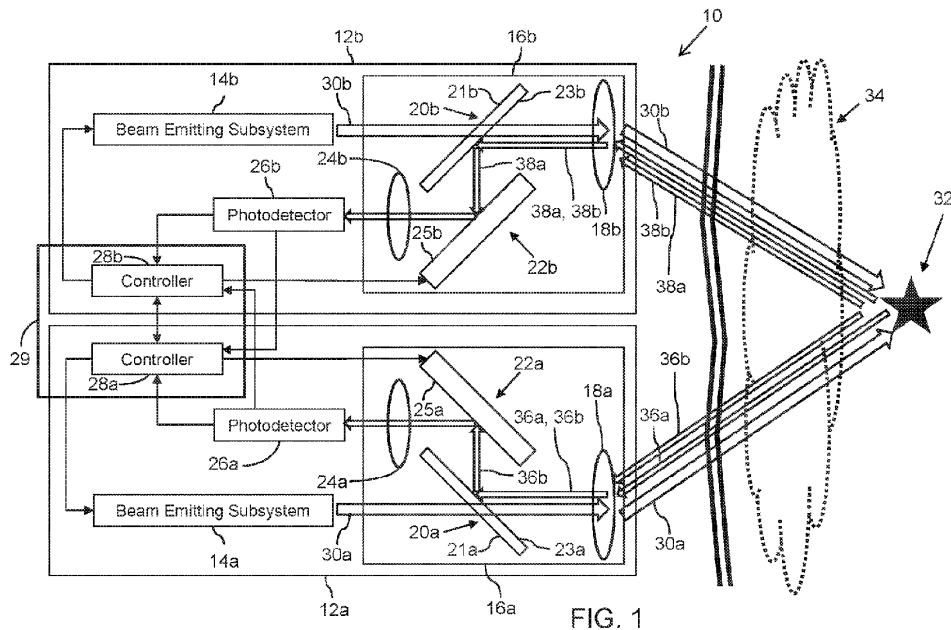


FIG. 1

(57) **Abstract:** A first transceiver has a beam emitter that generates first coherent beams, and first optics that direct the first coherent beams towards a target and collect radiation reflected from the target. A second transceiver has a beam emitter that generates second coherent beams, a detector, and second optics having an aperture. The second optics directs the second coherent beams towards the target via the aperture, collects radiation reflected from the target via the aperture, and guides a first radiation component of the collected radiation, that corresponds to the first coherent beams, to the detector. The detector generates, from the first radiation component, a signal indicative of an intensity of radiation impinging on the target corresponding to the first coherent beams. A control subsystem is associated with the transceivers and modifies at least one parameter of the first transceiver based on the intensity signal.

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