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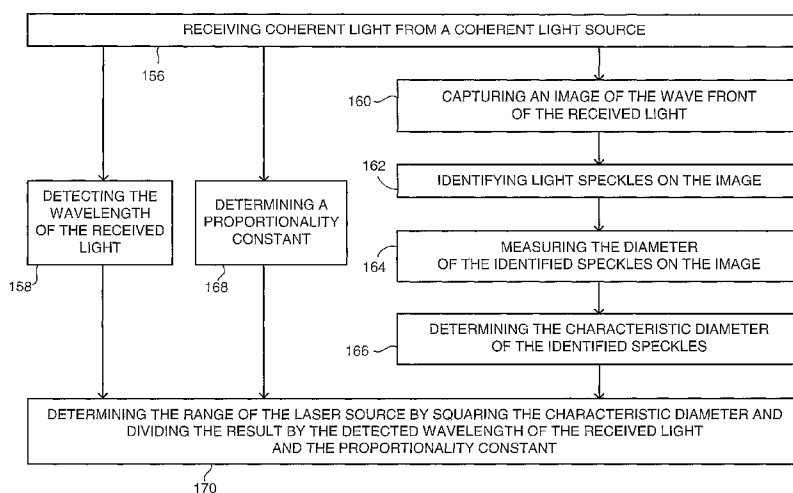
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(54) Title: DETERMINATION OF RANGE TO A COHERENT LIGHT SOURCE USING LASER SPECKLE PATTERN



(57) Abstract: Apparatus for determining a range to a coherent light source emitting a coherent light beam, the apparatus including an image sensor and a processor, the processor being coupled with the image sensor, the image sensor including an imaging plane, for capturing an image of the wave front of the coherent light beam, the image including at least one light speckle, wherein the processor identifies the light speckle on the captured image, determines the characteristic diameter of the identified light speckle, and determines the range by squaring the characteristic diameter and dividing the result of the squaring by the wavelength of the coherent light beam and by a proportionality constant.

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