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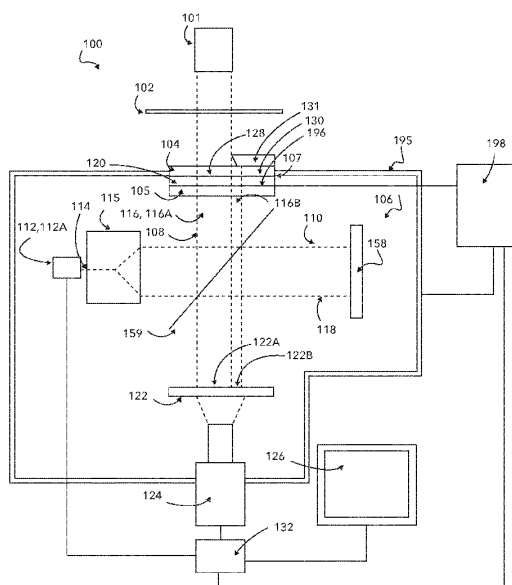


FIG. 1

(57) Abstract: The invention relates to a device and method for imaging electromagnetic radiation from an object. The device includes entrance optics for allowing the electromagnetic radiation to enter the device, including an image plane onto which an image of the object is to be imaged. The device includes an interferometer having a measurement arm, wherein the image plane is in the measurement arm. The device includes a transformation layer, at the image plane, for transforming the electromagnetic radiation into a spatiotemporal variation of the refractive index of the transformation layer for causing spatiotemporal optical phase differences in the measurement arm of the interferometer that are processed to result in a representative image of the object.

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