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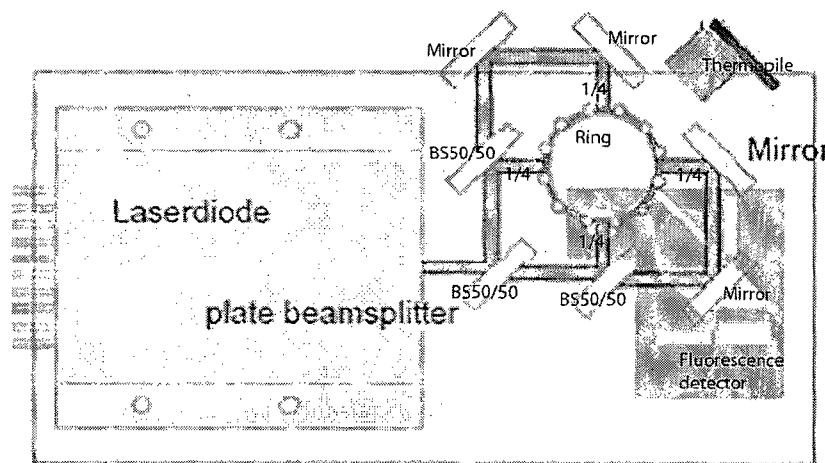
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(54) Title: METHODS AND DEVICE TO BALANCE RADIATION TRANSFERENCE



(57) Abstract: A method and device for adjusting the temperature of a sample by heating a substrate with a laser diode light; said light projected on to the substrate to absorb the light and convert the light energy to a heat energy thereby raising the temperature of the substrate corresponding to the intensity of the light energy, the substrate configured to transfer the thermal energy substantially homogenously to the sample. The device or method suitable for amplification of a nucleic acid sample.

