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(54) **Title**: WAVEGUIDE BIOSENSOR

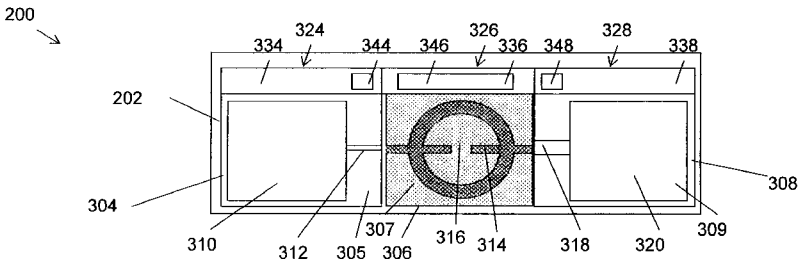


Figure 3b

(57) **Abstract**: A holder for a sensor waveguide structure for an optical biosensor, a biosensor comprising a holder, a method of assembling an optical biosensor, and a method of biosensing. The holder comprises means for aligning the sensor waveguide structure with an input waveguide structure and an output waveguide structure of the biosensor, for guiding a light signal from the input waveguide structure through the sensor waveguide structure and to the output waveguide structure.

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