OPTICAL CIRCUIT FOR SENSING A BIOLOGICAL ENTITY IN A FLUID AND METHOD OF CONFIGURING THE SAME

ABSTRACT

An optical circuit for sensing a biological entity in a fluid and a method of configuring an optical circuit for sensing a biological entity in a fluid are provided. The optical circuit includes a sensing arrangement including a reference arm having a reference waveguide and a sensing arm having a waveguide; wherein lengths of the reference waveguide and the waveguide are configured in accordance with a temperature dependency reduction criterion.

Figure 1