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(54) Title: METHOD OF FORMING A HERMETICALLY SEALED FIBER TO CHIP CONNECTION

(57) Abstract: Disclosed are methods of providing a hermetically sealed optical connection between an optical fiber and an optical element of a chip and a photonic-integrated chip manufactured using such methods. The method entails activating an end surface of the optical fiber in a plasma to generate dangling bonds, whereby the dangling bonds facilitate coupling with a surface of the chip..

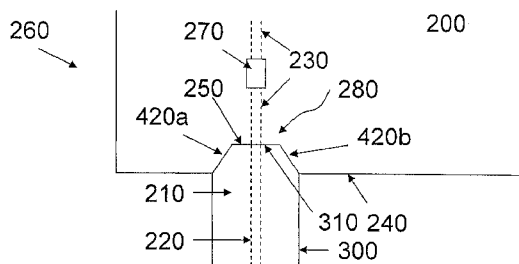


FIG. 2

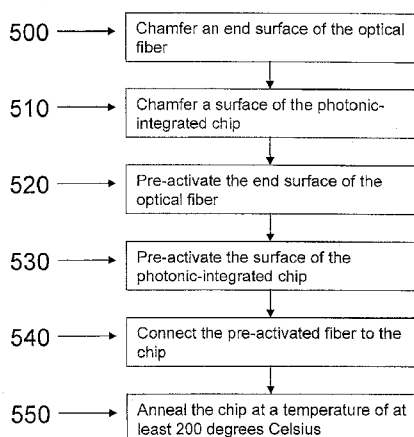


FIG. 5



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