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(54) Title: ENDCAP, ASSEMBLY AND METHOD FOR IMPROVING ACCURACY IN FIBER-ENDCAP-FIXTURE ALIGNMENT

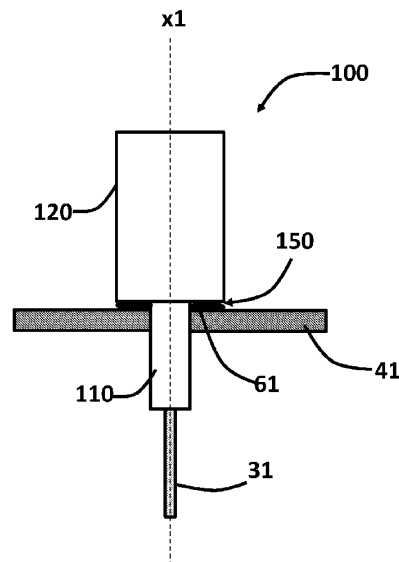


FIGURE 2

(57) Abstract: The present invention, disclose an endcap comprising: a. a first part being at least partially symmetrical about a main axis, said first part being fused to an optical fiber at a proximal end thereof such that said main axis is alignable with an optical axis of the optical fiber beam; and, b. a second part connecting to said first part at a distal end of said first part, wherein said second part protrudes from said first part, such that said second part forms a protruding bonding area, which is perpendicular to said main axis, for attaching said endcap to a fixture attachment area of a fixture apparatus, said fixture attachment area is perpendicular to said main axis, wherein said endcap is inserted at least partially inside said fixture apparatus, whereby, said endcap keeps said optical fiber beam aligned and minimizes angular diversion from an original alignment.

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