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(54) Title: OPTICAL FIBER CABLE CONNECTOR

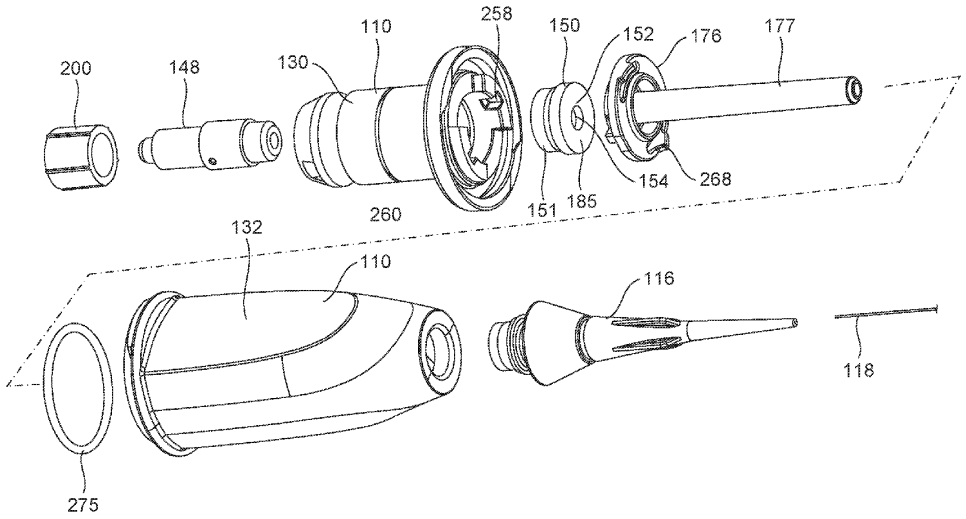


FIG. 7

(57) Abstract: A launch connector of a laser light energy coupling has a housing containing an optical connection portion with an optical fiber. The optical connection portion compliantly positioned by an elastomeric component within the housing at a threaded connection between a nose portion and a grasping portion. An internal retention portion engaged with the nose portion and grasping portion clamps the elastomeric component in the nose portion, provides a latch between the nose portion and gripping portion, resisting dissassembly, and further has a tubular portion extending rearwardly to an elastomeric strain relief member at a rearward end of connector facilitating assembly of the optical fiber through the housing. A sleeve seated in the nose portion defines facilitates assembly, and with the nose portion, provides an interior conformingly shaped to the optical connection portion with a circumferential gap allowing radial movement of the optical connection portion.

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