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(54) Title: TEMPERATURE COMPENSATOR FOR IMPROVED SEALING

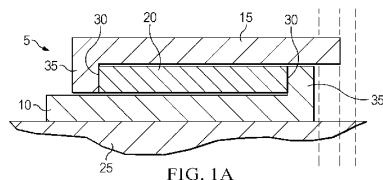


FIG. 1A

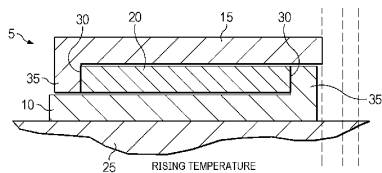


FIG. 1B

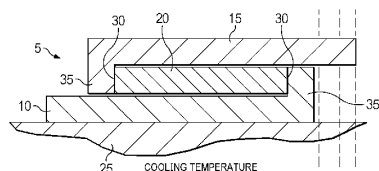


FIG. 1C

(57) Abstract: Methods and apparatus for performing a wellbore operation. A thermal compensator is introduced into a wellbore having a temperature. The thermal compensator comprises an outer layer comprising a first material, an inner layer comprising a second material, and a core disposed between the inner layer and the outer layer; wherein the core comprises a third material. The third material has a higher coefficient of thermal expansion than the first material and the second material. The core contracts when the wellbore temperature is decreasing and the contraction of the core moves the outer layer such that it applies a force to a structure adjacent to the outer layer.

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