Abstract: An energized composite metal to metal seal. A sealing device includes a metal seal with a metal sealing surface facing radially outward, and another metal sealing surface facing radially inward; and a nonmetal seal including a nonmetal sealing surface positioned proximate one metal sealing surface and facing radially outward, and another nonmetal sealing surface positioned proximate the other metal sealing surface and facing radially inward. A method of sealing between a housing assembly and a closure member includes applying a pressure differential across the sealing device while the sealing device seals between the housing assembly and the closure member, and the pressure differential increasing contact pressure in a metal to metal seal between the housing assembly and a metal sealing surface on the metal seal, and increasing contact pressure in a metal to metal seal between the closure member.
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