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Adamek

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(54) **METAL SEAL ADJUSTABLE CASING SUB**

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See application file for complete search history.

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(57) **ABSTRACT**

An adjustable casing sub having an outer housing, an inner housing insertable into the outer housing, and a ratcheting system for coupling the inner housing within the outer housing. An annulus is between a portion of the inner and outer housing, the annulus including an inwardly tapered section. A metal faced seal is disposed in the annulus, wherein the metal faced seal includes a sliding surface and a compressive sealing surface. The sliding surface may include a malleable inlay and the compressive sealing surface may include a spring like element. Moreover, the metal faced seal radial thickness is greater than the inwardly tapered section radial thickness.

13 Claims, 3 Drawing Sheets

