

# United States Patent [19]

Stewart et al.

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[54] **STEM SEALING FOR HIGH PRESSURE VALVE**

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[51] Int. Cl.<sup>4</sup> ..... **F16J 15/06; F16K 41/04**

[52] U.S. Cl. .... **277/226; 277/165; 277/188 A; 277/193; 277/198; 251/214**

[58] Field of Search ..... **277/1, 12, 32, 34, 34.3, 277/34.6, 165, 188 R, 188 A, 193, 195, 198, 199, 226; 251/214**

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[57] **ABSTRACT**

A stem sealing apparatus having a plurality of inserts (40, 42, 44, 46) for accepting a flowable sealant (52, 54) between deformable seal rings (60, 62). The inserts are loosely stacked (100), and maintained in compression between a packing gland (50) and a shoulder 32. Expansion of the flowable sealant at high temperature cannot shear the inserts apart.

**4 Claims, 2 Drawing Figures**

