

## **VALVE SEAT EDGE RELIEF PROFILE**

### **Abstract of the Disclosure**

A valve seat has an outer surface, a rearward end, a face and a forward end. A passage extends from the rearward end to the face. A valve element slidingly contacts the face. Stress relief flanges are located on the face in areas of high bearing stress. Each flange has a thickness that allows it to deflect slightly to reduce bearing stresses.

**Fig. 1**