PRESSURE ENERGIZED RADIAL SEAL

Abstract

A seal assembly disposed within a radial seal groove to sealingly engage a bonnet within a bore. The seal assembly includes a radial seal surface, an axial seal surface, a vent surface, and an axial preload surface. The seal assembly is thrust towards a longitudinal wall and away from a radial wall of the radial seal groove when pressure in a high-pressure zone increases.

Fig. 6