

Abstract of the Disclosure

Mechanical Face Seal

5 A mechanical face seal includes a stiffener
ring having a generally "L shaped" cross section with
a generally radially oriented portion extending to a
distance "X" as measured from a generally axially
oriented portion. An elastomeric covering
10 encapsulates at least a portion of the stiffener ring.
An elastomeric seal ring having a seal lip, is located
adjacent an end of the generally radially oriented
portion of the "L shaped" stiffener ring. The seal
lip is located at a radial distance "Y" as measured
15 from the generally axially oriented portion. "Y" has
a value in the range of about 0.9 times "X" to about
1.1 times "X".

Fig. 1