

Abstract

- 5 The invention relates to a mechanical seal arrangement, comprising:
- a first mechanical seal (10) with a rotating slide ring (11) and a stationary slide ring (12),
which define a sealing gap (13) in between them,
 - a first sealing space (14) that is filled with a sealing liquid,
 - wherein the first mechanical seal (10) seals off the sealing space (14) against a
10 surrounding area (6),
 - a first piston arrangement (15) with a piston element (16) and flexible wall areas that
define a first piston interior space (160),
 - wherein the first piston interior space (160) is in fluid connection with the first sealing
space (14),
 - 15 - wherein a piston outer surface of the piston element (16) is in fluid connection with the
surrounding area (6), and
 - a first pre-stressing appliance (19) that exerts a first preload force (F1) on the piston
element (16) of the first piston arrangement (15).

(Fig. 2)