

Title (en)
SEAL ASSEMBLY

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DICHTUNGSEINRICHTUNG

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ENSEMBLE JOINT D'ETANCHEITE

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Abstract (en)
[origin: WO0142690A1] The present invention relates to a seal assembly (1) for sealing the gap between two relatively moveable parts (26, 27) to prevent fluid leakage from a high pressure side to a low pressure side. Such a seal assembly generally comprises at least one ring seal (2, 3) having a first peripheral surface (8, 9) supported by one (26) of said parts. The at least one seal ring also comprises a second peripheral surface (10, 11) for sealing against said other part (27). According to the invention the seal assembly comprises a primary seal (2) facing the high pressure side and consisting of at least one metal ring (4) having several small peripheral sealing lips (6) provided at its second peripheral surface (10), for performing an initial sealing function and for simultaneously providing a pressure drop thereacross. In addition it comprises a secondary seal (4) provided behind the primary seal, with regard to the high pressure side, and consisting of at least one metal ring (5) being provided with a recess (13) in its second peripheral surface (11), and a first soft sealing ring (14) received in the recess.

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