

Title (en)
SEAL ASSEMBLY AND JOINT BUSHING

Title (de)
DICHTUNGSANORDNUNG UND VERBINDUNGSMUFFE

Title (fr)
ENSEMBLE D'ÉTANCHÉITÉ ET MANCHON D'ASSEMBLAGE

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Application
EP 21844341 A 20211223

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Abstract (en)
[origin: WO2022148671A1] The invention relates to a seal assembly (10) for producing a sealing function in a pipe joint, in particular a static pipe joint, in particular between a fluid-conducting pipe (11) and a joint bushing (12). The seal assembly (10) comprises a ring seal (20) arranged in a circumferential groove (121), a seal seat (30), and a clamping element (40) for clamping the ring seal (20). The seal assembly (10) has a pressure side. The seal seat (30) is arranged in the circumferential groove (121) on the pressure side and has overflow openings (31) so that the ring seal (20) is exposed to the pressure of the fluid on the pressure side. Additionally or alternatively, the seal seat (30) is arranged in the circumferential groove (121) and tapers conically towards the pressure side, so that clamping of the ring seal (20) causes same to be compressed in a radial direction while the circumferential groove (121) remains accessible on the pressure side.

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