

Abstract

Connection arrangement for connecting a pipeline

The invention relates to a connection arrangement for connecting a pipeline, in particular a metallic pipeline, the arrangement having a screw connection body having a pipe holder for the pipeline, a union nut that can be screwed onto the screw connection body, as well as a cutting ring disposed between the screw connection body and the union nut, wherein the cutting ring has an outer cone that interacts with an inner cone of the pipe holder of the screw connection body in such a manner that it is deformed radially inward in some regions when the union nut is tightened, and cuts into the material of the pipeline with at least one cutting edge, with a notching effect, with shape fit, and wherein the cutting ring has an essentially radial contact surface, subsequent to the outer cone, which surface limits tightening against a face surface of the screw connection body, and wherein an elastomer circumferential seal is disposed in a ring groove in the region of the outer cone of the cutting ring, for contact inside the inner cone of the pipe holder of the screw connection body. The ring groove (26), which accommodates the elastomer circumferential seal (5), is disposed in the outer cone (23) of the cutting ring (2), at a distance from its contact surface (24), wherein a ring surface

(27) is formed between the ring groove (26) and the contact surface (24).

[FIG. 3]