

Title (en)
METALLIC COATING ON STEEL PIPES

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Application
EP 89250097 A 19891127

Priority
DE 3844160 A 19881223

Abstract (en)
[origin: EP0375083A2] The invention relates to a process for applying a metallic coating to metallic sealing regions and/or thread regions, subject to a high surface pressure of steel pipes, by means of a pretreatment, consisting of cleaning and degreasing, of the surface to be coated and an electrolytic deposition of a tin layer, by a first heat treatment at a temperature between 150 and 200 DEG C and a second brief heat treatment above the melting point of tin with subsequent cooling. To indicate a process for applying a metallic coating to the sealing region and/or thread region of steel pipes for crude oil and natural gas production, by means of which seizing is reliably prevented in a grease-free screwed union even in the case of repeated screwing and whose sealing effect is optimised, it is proposed first to apply a base layer consisting of or containing tin to the sealing and/or thread regions and then electrolytically to deposit thereon an element or an alloy from the group of the ductile non-ferrous metals to form a top layer and subsequently to heat the zone thus treated for 1-10 seconds at a temperature up to 50 K above the melting point of tin.

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