

Title (en)
METHOD FOR COATING A METAL PART DESTINED TO BE SUBJECTED TO HIGH CONTACT PRESSURES AND METAL PART OBTAINED THEREFROM

Title (de)
VERFAHREN ZUR BESCHICHTUNG EINES METALLTEILS, DAS DAZU BESTIMMT IST, HOHEN ANPRESSDRÜCKEN AUSGESETZT ZU WERDEN, UND DARAUS HERGESTELLTES METALLTEIL

Title (fr)
PROCÉDÉ DE REVÊTEMENT D'UNE PIÈCE MÉTALLIQUE DESTINÉE À ÊTRE SOUMISE À DE HAUTES PRESSIONS DE CONTACT ET PIÈCE MÉTALLIQUE OBTENUE À PARTIR DE CELUI-CI

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Abstract (en)
The invention relates to a method for coating a metal part (P) destined to be subjected to high contact pressures, an external layer of the metal part (P) forming a substrate (S) to be coated, which comprises the steps consisting in a) Applying a nickel strike treatment to the substrate (S), such that a first layer (1) of nickel is obtained; b) Applying a copper electrolytic plating to the first layer (1) of nickel, such that a second layer (2) of copper is obtained; c) Applying a tin plating to the second layer (2) of copper, such that a third layer (3) is obtained, the interface between the second layer (2) and the third layer (3) being bronze. The invention also relates to coated parts using said method, the coated parts being preferably a pin and/or a box of a threaded joint for oil and gas applications

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Citation (applicant)

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