

Title (en)

THREADED END OF A TUBULAR COMPONENT PROVIDED WITH A COATING COMPRISING A ZINC-CHROMIUM ALLOY

Title (de)

GEWINDEENDE EINER ROHRFÖRMIGEN KOMPONENTE MIT EINER BESCHICHTUNG MIT EINER ZINK-CHROM-LEGIERUNG

Title (fr)

EXTRÉMITÉ FILETÉE D'UN COMPOSANT TUBULAIRE POURVUE D'UN REVÊTEMENT COMPRENANT UN ALLIAGE ZINC-CHROME

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Application

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Abstract (en)

[origin: WO2023057594A1] The present invention relates in particular to a threaded end 1, 2 of a tubular component for drilling and/or exploiting a hydrocarbon well, transporting oil and gas, transporting or storing hydrogen, carbon capture or geothermy, comprising at least one thread 3, 4 extending on its outer or inner peripheral surface, the thread of which is coated with a layer 15 comprising a zinc-chromium (Zn-Cr) alloy, the zinc (Zn) of which is the predominant element by weight, relative to the total weight of the alloy. The present invention also relates to a method for preparing a threaded end 1, 2, as defined above, of a tubular component intended for drilling and/or exploiting a hydrocarbon well, transporting oil and gas, transporting or storing hydrogen, carbon capture or geothermy, comprising at least one electrolytic deposition, on the surface of the thread 3, 4 of the end, of an aqueous composition comprising one or more zinc salts, one or more chromium salts, one or more electrolytes and one or more surfactants.

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