

Title (en)

CORROSION INHIBITION THROUGH THE USE OF A QUATERNARY PYRIDINE SALT-HYDROCARBON COMBINATION

Title (de)

KORROSIONVERHINDERUNG DURCH DIE VERWENDUNG QUATERNÄRER PYRIDIN SALZ-KOHLLENWASSERSTOFF KOMBINATION

Title (fr)

INHIBITION DE LA CORROSION PAR L'UTILISATION D'UNE COMBINAISON SEL DE PYRIDINE QUATERNAIRE-HYDROCARBURE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO9833953A1] A method for inhibiting corrosion of a surface of carbon steel exposed to an aqueous medium in which the method includes forming a layer having a corrosion-inhibiting amount of a quaternary pyridine salt and a water-immiscible organic component on the surface by incorporating into the medium a composition containing the salt, the organic component and a surfactant. The surfactant is present in the composition in an amount sufficient to solubilize a sufficient amount of the organic component in the aqueous medium so as to permit formation of the protective layer. The organic component is most often a hydrocarbon and can be a single hydrocarbon, but is more likely to be a mixture of hydrocarbons. The surfactant can be cationic, non-ionic, amphoteric or anionic.

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C23F 11/14; E21B 41/02

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