

Title (en)

IMPROVED CORROSION RESISTANCE WHEN USING CHELATING AGENTS IN CHROMIUM-CONTAINING EQUIPMENT

Title (de)

VERBESSERTE KORROSIONSBESTÄNDIGKEIT DURCH VERWENDUNG VON CHELATBILDNERN BEI EINER CHROMHALTIGEN AUSRÜSTUNG

Title (fr)

RÉSISTANCE AMÉLIORÉE À LA CORROSION PAR UTILISATION D'AGENTS DE CHÉLATION DANS UN ÉQUIPEMENT CONTENANT DU CHROME

Publication

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Application

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Abstract (en)

[origin: WO2012171859A1] The present invention relates to process to reduce the corrosion of equipment containing a chromium-containing alloy in the oil and/or gas industry, comprising a step of contacting the equipment based on a chromium-containing alloy with a solution containing at least 1 wt% on total weight of the solution of glutamic acid α,β -diacetic acid or a salt thereof (GLDA) and/or methylglycine α,β -diacetic acid or a salt thereof (MGDA) having an acidic pH, the use of the above solutions in equipment containing a chromium-containing alloy to reduce corrosion, and to a system containing a piece of equipment used in the oil and/or gas industry made at least partly from chromium-containing alloy in contact with an acidic solution containing at least 1 wt% of glutamic acid α,β -diacetic acid or a salt thereof (GLDA) and/or methylglycine α,β -diacetic acid or a salt thereof (MGDA).

IPC 8 full level

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Citation (search report)

See references of WO 2012171859A1

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