

Title (en)

ADDITIVE FOR REDUCING COKING AND/OR CARBON MONOXIDE IN CRACKING REACTORS AND HEAT EXCHANGERS AND USE OF SAME

Title (de)

ZUSATZ ZUR MINIMIERUNG VON VERKOKUNG UND/ODER KOHLENSTOFFMONOXID IN KRACKREAKTOREN UND WÄRMETAUSCHERN SOWIE VERWENDUNG

Title (fr)

ADDITIF DE REDUCTION DU COKAGE ET/OU DU MONOXYDE DE CARBONE DANS LES REACTEURS DE CRAQUAGE ET LES ECHANGEURS THERMIQUES, SON UTILISATION

Publication

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Application

EP 08762128 A 20080220

Priority

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- FR 0753380 A 20070220
- US 94926607 P 20070712

Abstract (en)

[origin: FR2912757A1] Additive for reducing the formation of coke and carbon monoxide in thermal cracking unit and heat exchangers, comprises a disulfide comprising diethyldisulfide, dipropyldisulfide or dibutyldisulfide. Independent claims are included for: (1) a process for reducing the coking and/or carbon monoxide on metallic walls of a hydrocarbon cracking reactor or other organic compounds and on the metallic walls of a heat exchanger placed behind the cracking reactor, comprising contacting the metallic surfaces with the organic substance to be cracked, which are pretreated with a flow of vector fluid containing the additive at 300- 1100[deg] C for 0.5-12 hours; and (2) a process of hydrocarbon cracking and/or other organic compounds, comprising adding the additive during cracking in the hydrocarbon charge, organic compounds, before cracking in a hydrocarbon liquid charge, other organic compounds before its preheating and its vaporizing and/or during the preheating phase of the liquid charge.

IPC 8 full level

C10G 9/16 (2006.01); **C07C 4/04** (2006.01); **C07C 321/14** (2006.01)

CPC (source: EP US)

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