

Title (en)
USE OF PEROXYACIDS/HYDROGEN PEROXIDE FOR REMOVAL OF METAL COMPONENTS FROM PETROLEUM AND HYDROCARBON STREAMS FOR DOWNSTREAM APPLICATIONS

Title (de)
VERWENDUNG VON PEROXYSÄUREN/WASSERSTOFFPEROXID ZUR ENTFERNUNG VON METALLKOMPONENTEN AUS ERDÖL- UND KOHLENWASSERSTOFFSTRÖMEN FÜR NACHFOLGENDE ANWENDUNGEN

Title (fr)
UTILISATION DE PEROXYACIDES/PEROXYDE D'HYDROGÈNE AFIN D'ÉLIMINER DES CONSTITUANTS MÉTALLIQUES DE CHARGES DE PÉTROLE ET D'HYDROCARBURES EN VUE D'APPLICATIONS AVAL

Publication
EP 3867336 A1 20210825 (EN)

Application
EP 19824170 A 20191203

Priority
• US 201862774625 P 20181203
• US 2019064105 W 20191203

Abstract (en)
[origin: US2020172817A1] Methods for the use of peroxyacid for enhancing downstream processes through the enhanced removal of fine particulates from petroleum oils and refinery feedstocks and/or streams are disclosed. The methods beneficially minimize fouling and improve waste water quality. Methods for mitigating heavy metal concentrations in petroleum oil and for preventing solid loading in various streams resulting from use of a metal based H₂S scavenger, aluminum and/or zinc salts, or other commonly applied metal-based additives are also disclosed. In addition, methods for enhancing coke quality by the contaminant removal, reducing bacteria in slop oil and crude tanks, as well as reducing downstream catalyst poisoning and prolonging catalyst lifetimes are also disclosed. The compositions for use in the methods are provided.

IPC 8 full level
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CPC (source: EP KR US)
C10G 27/12 (2013.01 - EP KR US); **C10G 31/08** (2013.01 - EP KR); **C10G 32/02** (2013.01 - EP KR); **C10G 33/04** (2013.01 - EP KR US); **C10G 75/04** (2013.01 - KR US); **C10G 2300/205** (2013.01 - KR US)

Citation (search report)
See references of WO 2020117724A1

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