

Title (en)

IMPROVED STABILITY OF HYDROCARBONS CONTAINING ASPHALTENES

Title (de)

VERBESSERTE STABILITÄT VON ASPHALTENE BEINHALTENDEN KOHLENWASSERSTOFFEN

Title (fr)

STABILITE AMELIOREE DES HYDROCARBURES CONTENANT DES ASPHALTENES

Publication

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Application

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- US 89413804 A 20040719

Abstract (en)

[origin: WO2005010126A1] Heavy fuel oils or residual fuel oils can be stabilized with magnesium overbased compounds such as magnesium overbased carboxylates. It was surprisingly discovered that adding magnesium overbased carboxylates to the residual fuel oils shortly after thermal cracking gave much better results than can be achieved after the application of the carboxylates to the fuel oil after storage. Further, compounds containing at least about 21 wt% magnesium also give better results than compounds with 18 wt% or less, in one non limiting embodiment. Magnesium overbased compounds can also be added to coker feedstocks to reduce coker furnace fouling. Treatment with the methods of this invention reduces asphaltene deposits and sludges.

IPC 1-7

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IPC 8 full level

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CPC (source: EP US)

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