

Title (en)
PROCESS AND APPARATUS FOR THE REDUCTION OF HEAVY POLYCYCLIC AROMATIC COMPOUNDS IN HYDROCRACKING UNITS

Title (de)
VERFAHREN UND VORRICHTUNG ZUR REDUZIERUNG VON SCHWEREN POLYCYCLISCHEN AROMATISCHEN VERBINDUNGEN IN HYDROCRACKING-EINHEITEN

Title (fr)
PROCÉDÉ ET DISPOSITIF POUR LA REDUCTION DES COMPOSÉS AROMATIQUES POLYCYCLIQUES LOURDS DANS LES UNITÉS D'HYDROCRAQUAGE

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Application
EP 15817223 A 20151217

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Abstract (en)
[origin: WO2016102302A1] The invention relates to a method and an apparatus for reducing the concentration of heavy polycyclic aromatic compounds (HPNA) in the recycling loop of hydrocracking units, said apparatus including a fractioning column. According to said method, a portion of the flow is drawn off from the fractioning column, which flow is present in the region of at least one tray (I) that is the feed tray or a tray located between the feed tray and said residue discharge point or, if stripping gas is injected, between the feed tray and said stripping gas injection point. A portion, or preferably all, of said flow that has been drawn off is recycled in the hydrocracking step, directly or after optional separation of the gases. The residue is completely purged. In a preferred embodiment, a portion of a flow is furthermore drawn off from the column, which flow is present in the region of at least one tray (II) located between the feed tray and the draw-off tray for the heaviest distillate fraction. After stripping, all or some of the gas is recycled in the column and the liquid is conveyed to the hydrocracking.

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C10G 47/00 (2006.01); **C10G 7/00** (2006.01)

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Citation (search report)
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FR 3030564 A1 20160624; **FR 3030564 B1 20180810**; AR 103261 A1 20170426; BR 112017011864 A2 20180102; CN 107429169 A 20171201; CN 107429169 B 20200915; DK 3237578 T3 20200224; EP 3237578 A1 20171101; EP 3237578 B1 20191120; KR 20170099989 A 20170901; MX 2017007916 A 20170905; US 10533142 B2 20200114; US 2017349844 A1 20171207; WO 2016102302 A1 20160630

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