

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

Publication  
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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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Citation (search report)  
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