

Title (en)  
HEAVY FEED HYDROPROCESSING USING A MIXTURE OF CATALYSTS

Title (de)  
HYDROPROCESSING VON SCHWEREN KOHLENWASSERSTOFFEN MITTELS EINER MISCHUNG VON KATALYSATOREN

Title (fr)  
PROCEDE D'HYDROTRAITEMENT DE CHARGE LOURDE REPOSANT SUR L'UTILISATION D'UN MELANGE DE CATALYSEURS

Publication  
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Application  
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Abstract (en)  
[origin: WO2004052534A1] The present invention pertains to a process for the hydroprocessing of heavy hydrocarbon feeds, preferably in an ebullating bed process, by contacting the feed with a mixture of two hydroprocessing catalysts meeting specified pore size distribution requirements. More in particular, catalyst I has at least 50% of its total pore volume in pores with a diameter of at least 20 nm (200 Å), and 10-30% of the total pore volume in pores with a diameter of at least 200 nm (2000 Å), while catalyst II has at least 75% of the total pore volume in pores with a diameter of 10-120 nm (1001200 Å), 0-2% of the total pore volume in pores with a diameter of at least 400 nm (4000 Å), and 0-1 % of the total pore volume in pores with a diameter of at least 1000 nm (10000 Å). The process combines high contaminant removal with high conversion, low sediment formation, and high process flexibility.

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Cited by  
US10604709B2; US11136513B2; US11795406B2; US10533141B2; US10563132B2; US10563133B2; US10584287B2; US10655074B2; US10836966B2; US11203722B2; US11441084B2; US11447706B2; US11530360B2

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