

obtained from catalytic cracking operations. The fraction of hydrocracker effluent which boils between about 400°F. (205°C) and 1000°F. (538°C) is subsequently catalytically dewaxed in order to obtain a cloud point of no more than 41°F. (5°C). The hydrocracker effluent fraction is preferably recycled to the hydrocracking step prior to dewaxing.

5612273

**CATALYST FOR THE
HYDROISOMERIZATION OF
CONTAMINATED HYDROCARBON
FEEDSTOCK**

Prada Ricardo; Torrealba Mariana, Tejada Jorge; Romero Yilda; Reyes Edito Caracas, VENEZUELA assigned to Intevep S A

A catalyst system for treating sulfur and nitrogen contaminated hydrocarbon feedstock including a matrix, at least one support medium substantially uniformly distributed through said matrix, a first catalytically active metal phase supported on said support medium, said first catalytically active metal phase comprising a first metal and a second metal each selected from group VIII of the periodic table of elements, said first metal being different from said second metal, a second catalytically active metal phase supported on said matrix, said second catalytically active metal phase comprising a third metal and a fourth metal each selected from group VIII of the periodic table of elements and a fifth metal selected from group VIb of the periodic table of elements, said third metal being different from said fourth metal. The catalyst system is prepared in a method which provides the system with excellent hydroisomerization, HDS, and HDN properties.

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**METHOD OF PREPARING
TRANSALKYLATION CATALYST**

Wu An-hsiang; Drake Charles A Bartlesville, OK, UNITED STATES assigned to Phillips Petroleum Company

A Group VIII metal-promoted zeolite (preferably Pt-promoted H-mordenite) is contacted with ammonium hexafluorosilicate and hydrogen gas at a temperature of about 100°-450°C The obtained material is an effective catalyst for the transalkylation of aromatic hydrocarbons.

5614079

**CATALYTIC DEWAXING OVER
SILICA BOUND MOLECULAR SIEVE**

Farnos Maria D; Forbus Thomas R; McWilliams John P; Shihabi David Wilmington, DE, UNITED STATES assigned to Mobil Oil Corporation

A molecular sieve catalyst is composited with an inert binder derived from an organic silicon source and organic polymer. The catalyst is used in dewaxing of petroleum chargestocks.

5614082

**CATALYTIC REFORMING PROCESS
WITH SULFUR ARREST**

Russ Michael B; Sechrist Paul Villa Park, IL, UNITED STATES assigned to UOP

A catalyst system comprises a physical mixture of a conversion catalyst and a sulfur sorbent to accommodate small quantities of sulfur from a hydrocarbon feedstock. Preferably, the physical