5602066

METHOD OF MAKING A LIQUID WASHED SELECTIVATED ZEOLITE CATALYST

Beck Jeffrey S; Stern David L Princeton, NJ, UNITED STATES assigned to Mobil Oil Corporation

There is provided a zeolite catalyst, which is first selectivated with a siliceous material and then washed with a liquid. The washing step may comprise slurrying the catalyst in water and recovering the washed catalyst by filtration.

5603822

CATALYTIC DEWAXING OF LUBE BASESTOCK RAFFINATES IN CONTACT WITH POUR POINT DEPRESSANTS

Forbus Thomas R; Shihabi David S Newtown, PA, UNITED STATES assigned to Mobil Oil Corporation

Raffinate is catalytically hydrodewaxed to lube basestock in a mixture containing between 0.01 and 1 weight percent of pour point depressants comprising the copolymer residue of a mixture of 1-alkene comonomers selected from the group consisting of C3-C28 1-alkenes. The mixture is contacted with hydrogen and shape selective metallosilicate catalyst particles under mild hydrodewaxing conditions to produce an increased yield of lube basestock having a pour point below -25 degrees F. and viscosity index greater than 100.

5602292

CATALYST FOR THE HYDROISOMERIZATION OF LONG-CHAIN N-PARAFFINS AND PROCESS FOR PREPARING IT

Perego Carlo; Zanibelli Laura; Flego Cristina; Del Bianco Albert; Bellussi Giuseppe Carnate, ITALY assigned to Eniricerche S p A

Disclosed is an active catalyst in the hydroisomerization of waxes (paraffins), which catalyst is constituted by a carrier of acidic nature,of silica-alumina gel, and one or more metals belonging to Group VIIIA. Also a process for preparing said catalyst is disclosed.

5608133

CATALYTIC OLIGOMERIZATION

Chang Clarence D; Huang Tracy J; Santiesteban Jose G; Vartuli James Princeton, NJ, UNITED STATES assigned to Mobil Oil Corporation

There is provided a catalytic oligomerization process. The process involves the use of a catalyst comprising an acidic solid. The acidic solid may comprise a Group IVB metal oxide, such as zirconia, modified with an oxyanion of a Group VIB metal, such as tungsten. The oligomers produced by this process may be hydrogenated to produce thermally stable lubricants and lubricant additives, gasoline and diesel.