

ABSTRACT

HYDROISOMERIZATION OF A PREDOMINANTLY N-PARAFFIN FEED TO  
PRODUCE HIGH PURITY SOLVENT COMPOSITIONS

A process for the hydroisomerization of a predominantly C<sub>8</sub>-C<sub>20</sub> n-paraffinic feed to produce a high purity C<sub>8</sub>-C<sub>20</sub> paraffinic solvent composition having superior low temperature properties, and low viscosities. The feed is contacted, with hydrogen, over a dual functional catalyst to hydroisomerize and convert the feed to a product comprising a mixture of n-paraffins and isoparaffins, the isoparaffins component of which contains greater than 50 percent of mono-methyl species, with the molar ratio of isoparaffins:n-paraffins ranging from about 0.5:1 to 9:1.