

ABSTRACT

REMOVAL OF SULFUR CONTAMINANTS FROM HYDROCARBONS
USING N-HALOGENO COMPOUNDS

The present invention is directed to a process for removal of sulfur contaminants from hydrocarbons using processes which rely upon the reaction of organosulfur compounds with N-halogeno compounds. The sulfur removal may be effected by using liquid/liquid extraction processes or one of two reactive adsorption processes involving injection a stoichiometric amount of N-halogeno compounds into hydrocarbon and then passing the stream through an adsorbent column to adsorb the N-halogeno-sulfur compounds and any unreacted N-halogeno compounds; or using adsorbents which are pre-loaded with N-halogeno compounds which are placed in a fixed-bed column for sulfur removal.

FIGURE 1.

This Sheet Has Been Replaced

