

Abstract

The present application relates to a process for treating gasoline, comprising the steps of:
splitting a gasoline feedstock into a light gasoline fraction and a heavy gasoline fraction;
5 optionally, subjecting the resulting light gasoline fraction to etherification to obtain an
etherified oil; contacting the heavy gasoline fraction with a mixed catalyst and subjecting it to
desulfurization and aromatization in the presence of hydrogen to obtain a heavy gasoline
product; wherein the mixed catalyst comprises an adsorption desulfurization catalyst and an
aromatization catalyst. The process of the present application is capable of reducing the sulfur
10 and olefin content of gasoline and at the same time increasing the octane number of the
gasoline while maintaining a high yield of gasoline.

Fig. 1