ABSTRACT

Method of Limiting Chemical Degradation Due to Nitrogen Dioxide Contamination

A method of limiting the chemical degradation of hydrocarbonaceous liquids due to nitrogen dioxide contamination at elevated temperature comprises the addition thereto of an ionic liquid composed of a cation and a boron- and halogen-free, multi-functional aromatic anion, the ionic liquid serving to inhibit the nitration of hydrocarbonaceous liquid components that initiates degradation.

Figure 1