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(54) **Title:** METHOD FOR INCREASING THERMAL STABILITY OF A FUEL COMPOSITION USING A SOLID PHOSPHORIC ACID CATALYST

(57) **Abstract:** This invention relates to a method for increasing thermal stability of fuel, as well as in reducing nitrogen content and/or enhancing color quality of the fuel. According to the method, a fuel feedstock can be treated with a solid phosphoric acid catalyst under appropriate catalyst conditions, e.g., to increase the thermal stability of the fuel feedstock. Preferably, the fuel feedstock can be treated with, the solid phosphoric acid catalyst at a ratio of catalyst mass within a contact zone to a mass flow rate of feedstock through the zone of at least about 18 minutes to increase the thermal stability of the fuel feedstock, along with reducing nitrogen content and/or enhancing color quality.

