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(54) Title: PRODUCTION OF DIESEL FUEL FROM BIORENEWABLE FEEDSTOCKS WITH LOWER HYDROGEN CONSUMPTION

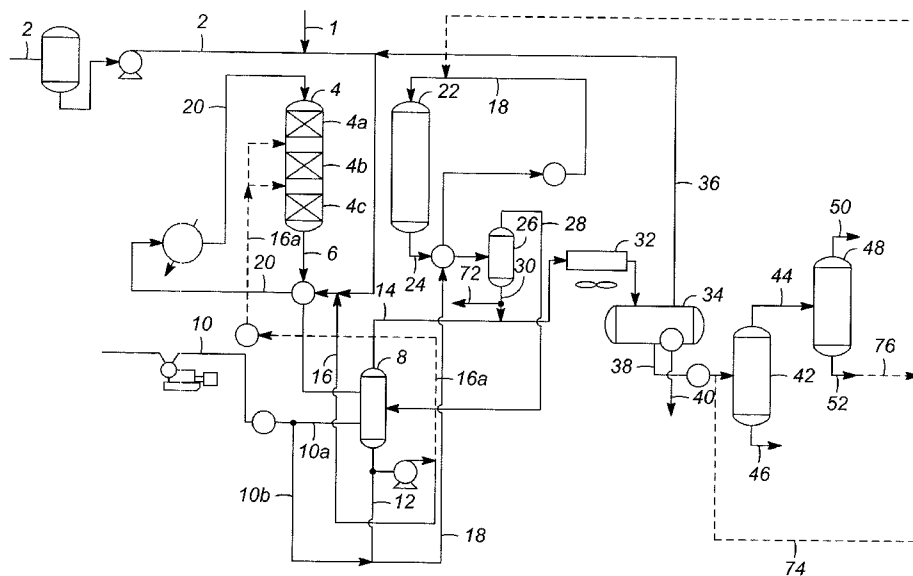


FIG. 2

(57) Abstract: A process has been developed for producing diesel boiling range fuel from renewable feedstocks such as plant and animal fats and oils. The process involves treating a renewable feedstock by hydrogenating and deoxygenating i.e. decarboxylating, decarbonylating, and hydrodeoxygenating to provide a hydrocarbon fraction useful as a diesel boiling range fuel. A sulfur containing component is added to drive the conversion preferentially through carbonylation and carbonylation with reduced hydrodeoxygenation. If desired, the hydrocarbon fraction can be isomerized to improve cold flow properties.

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