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(54) Title: AVIATION FUEL COMPOSITION

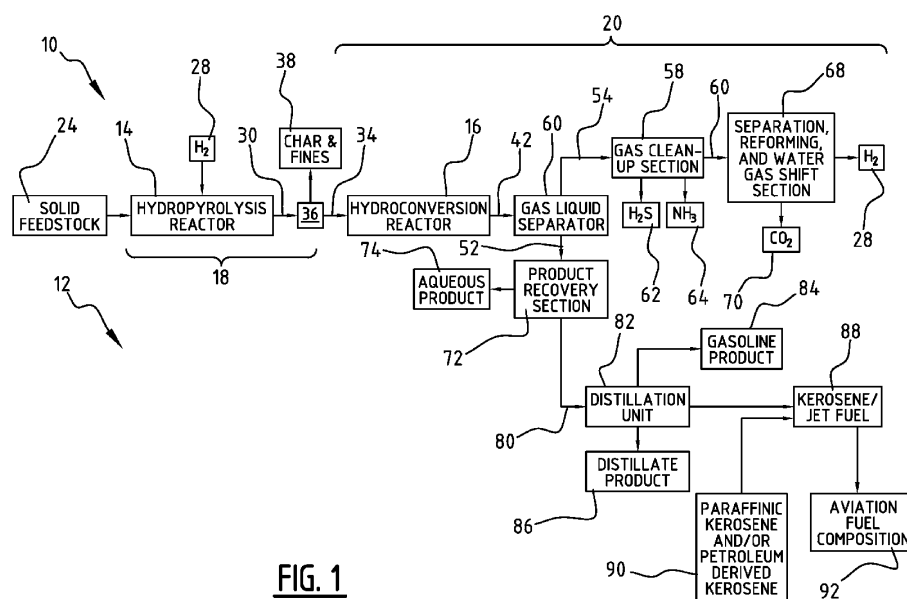


FIG. 1

(57) Abstract: This invention provides an aviation fuel composition comprising: a cycloparaffinic kerosene generated from hydrolysis and hydroconversion of a solid biomass containing lignocellulose, wherein the cycloparaffinic kerosene comprises at least 90 vol% cycloparaffins and less than 1 vol% aromatics; a paraffinic-based kerosene comprising normal and iso-paraffins in an amount of greater than 95%; and optionally, a petroleum-derived kerosene. The aviation fuel composition of the present invention provides an environmentally-friendly fuel while providing improved lubricity and low temperature viscosity properties.

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