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(71) Applicant: **LUTROS, LLC** [US/US]; 633 Chestnut Street, Suite 600, Chattanooga, Tennessee 37450 (US).

(72) Inventors: **DANNER, Travis**; 2409 Lennox Ct., Chattanooga, Tennessee 37421 (US). **MAUSS, Mark**; 1525 Mount Pleasant Street, Dubuque, Iowa 52001 (US).

(74) Agent: **PATTERSON, B. Todd** et al.; 24 Greenway Plaza, Suite 1600, Houston, Texas 77046 (US).

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(54) Title: HYDROCARBON PURIFICATION

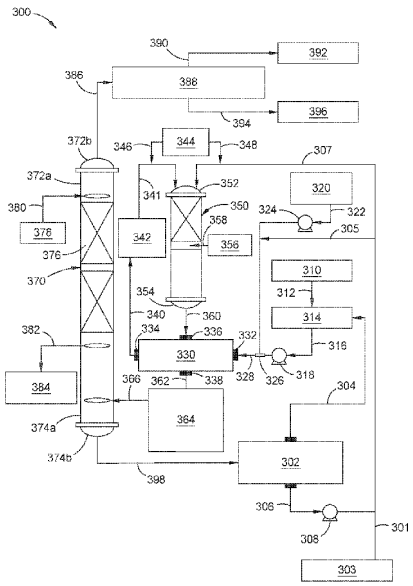


FIG. 3

(57) Abstract: Embodiments of the present disclosure generally relate to methods and systems for purifying hydrocarbons, such as feedstock hydrocarbons containing one or more contaminants. In one or more embodiments, a method of purifying a hydrocarbon is provided and includes flowing a feedstock hydrocarbon stream through a heating unit, then combining the hydrocarbon stream and a primary solvent in a laminar flow reactor to produce a hydrocarbon-solvent stream, flowing the hydrocarbon-solvent stream through a cooling unit, and introducing the hydrocarbon- solvent stream into a separation unit to produce a scrubbed hydrocarbon stream and a solvent stream. The scrubbed hydrocarbon stream has a final contaminant concentration which is less than the initial contaminant concentration. The methods and systems for purifying hydrocarbons may be used to prepare a purified hydrocarbon product having the contaminant reduced by 10 times, about 40 times, about 100 times, or greater compared to the feedstock hydrocarbons.