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(54) Title: DECARBOXYLATIVE CO-DIMERIZATION PROCESS AND SYNTHETIC FUELS PRODUCED THEREFROM

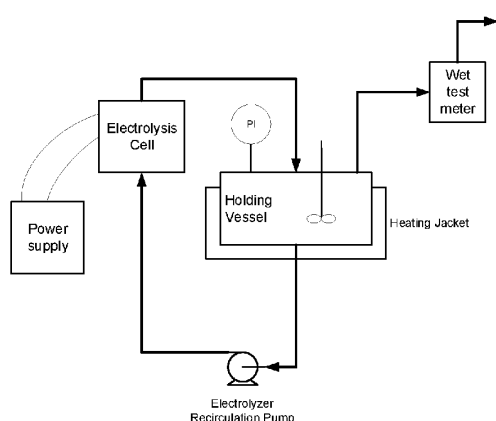


FIG. 1

(57) Abstract: In an aspect, the application discloses a method for producing renewable hydrocarbon fuels where the method includes electrolysis of a mixture to produce an electrolysis product comprising a renewable diesel and optionally a renewable gasoline, where the mixture includes (i) free fatty acids from a biorenewable feedstock, and (ii) terminal monomethyl - branched carboxylic acids, and where the renewable diesel includes terminal monomethyl- branched paraffins and terminal monomethyl-branched alkenes.

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