

SYSTEMS AND METHODS FOR RENEWABLE FUEL

ABSTRACT

The present application generally relates to the introduction of a renewable fuel oil as a feedstock
5 into refinery systems or field upgrading equipment. For example, the present application is directed to
methods of introducing a liquid thermally produced from biomass into a petroleum conversion unit; for
example, a refinery fluid catalytic cracker (FCC), a coker, a field upgrader system, a hydrocracker, and/or
hydrotreating unit; for co-processing with petroleum fractions, petroleum fraction reactants, and/or
petroleum fraction feedstocks and the products, e.g., fuels, and uses and value of the products resulting
10 therefrom.

FIG. 1