

FUEL PRODUCTION

Abstract

An apparatus that includes a first reactor and a return mechanism. The first reactor has an inlet to receive a mixture comprising a first reactant, a second reactant, a reaction product, and an inert solvent that dissolves at least a portion of the first and second reactants, an enzyme to facilitate a reaction between the first and second reactants to generate more reaction product, and an outlet to output the reaction product, including the reaction product received at the inlet and the reaction product generated from the reaction between the first and second reactants. The return mechanism sends at least a portion of the reaction product from the outlet back to the inlet.

Fig. 1