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(56) Documents Cited:

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(54) Title of the Invention: **Liquid fuel production system having parallel product gas generation**

Abstract Title: **Liquid fuel production system having parallel product gas generation**

(57) A liquid fuel product system is configured to produce liquid fuels from carbonaceous materials. The liquid fuel product system includes a plurality of feedstock delivery systems, a plurality of first stage product gas generation systems, a plurality of second stage product gas generation systems, a plurality of third stage product gas generation systems, a primary gas clean-up system, a compression system, a secondary gas clean-up system, and a synthesis system that includes one or more from the group consisting of ethanol, mixed alcohols, methanol, dimethyl ether, and Fischer-Tropsch products.

GB 2580576 A