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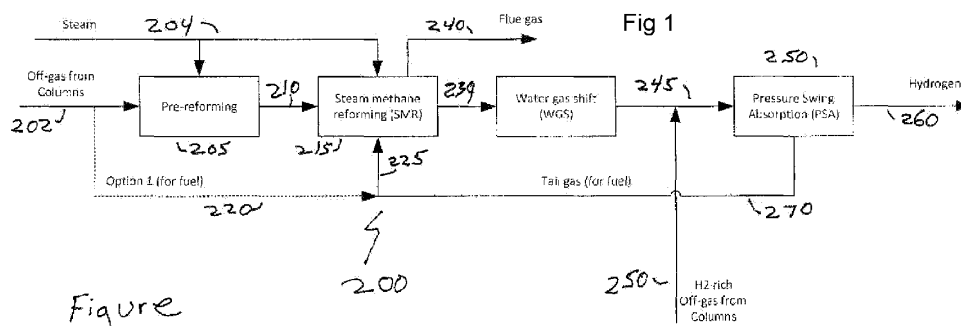
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(54) Title: A RECYCLE OF BYPRODUCTS TO PROVIDE A GREEN HYDROGEN STREAM FOR A METHANOL TO JET FUEL
PROCESS



(57) Abstract: In methanol to jet fuel complexes there is a need for hydrogen for several different processes including oligomerization. Hydrogen is produced by steam methane reforming and autothermal reforming. Greater efficiencies are provided by sending off-gas streams from columns including demethanizer, depropanizer, and a flash stripper to the reforming reactors to increase the amount of hydrogen available.