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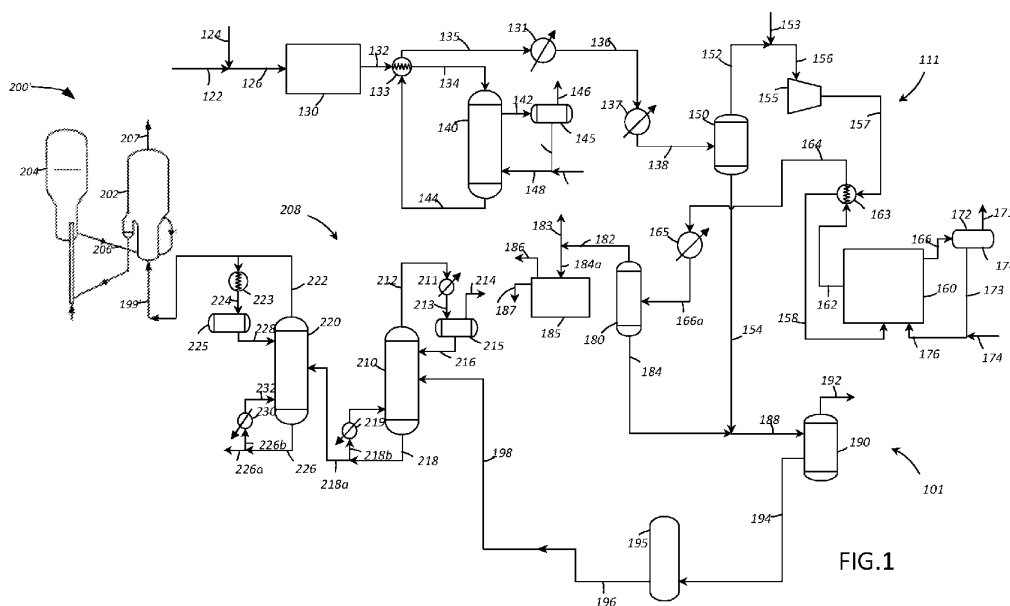
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(54) Title: USE OF RECYCLED BYPRODUCTS TO CREATE HYDROGEN FOR USE IN CONVERSION OF OLEFINS TO JET
FUEL



(57) Abstract: A process for providing hydrogen in a process to produce jet fuel from methanol comprising producing a supply of hydrogen from a hydrogen production unit to be sent to one or more vessels within said process and wherein additional supplies of hydrogen are recovered from a recycle stream or recycle streams from one or more reactors or vessels and sent to supplement the first supply of hydrogen. The additional supplies of hydrogen are recovered from a hydrogenation reactor downstream of an oligomerization reactor, a methanol synthesis reactor or a hydrogenation reactor downstream from a DME water column and sent to the methanol synthesis reactor, hydrogenation reactor or acetylene converter.

[Continued on next page]

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