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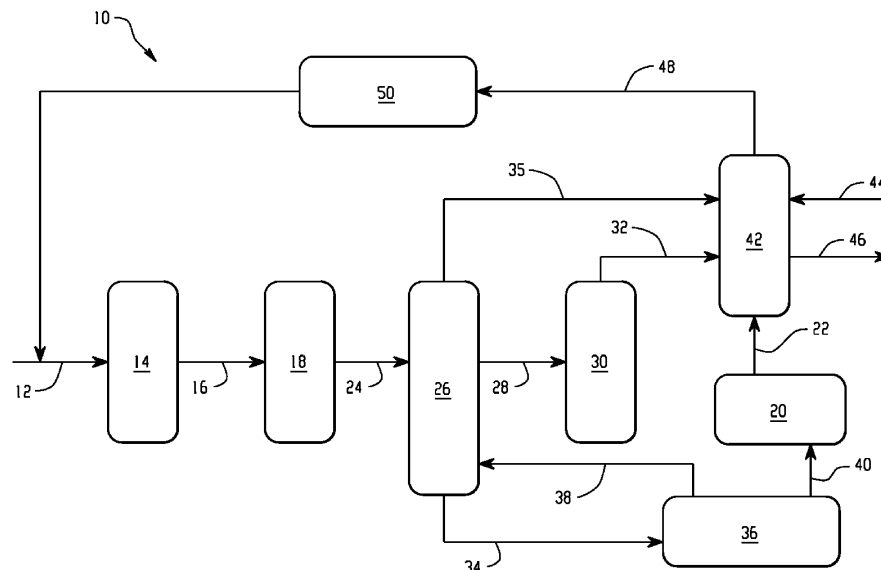
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(54) Title: METHOD OF PRODUCING A FUEL ADDITIVE



(57) Abstract: A method of producing a fuel additive includes passing a feed stream comprising C4 hydrocarbons through a hydro-
genation unit producing a hydrogenated stream; passing the hydrogenated stream through a distillation unit producing a first stream and
a second stream; producing an isobutylene stream by passing the first stream through a molecular sieve unit; passing the isobutylene
stream to a hydration unit as a feedstock for the fuel additive; and forming the fuel additive in the hydration unit.

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