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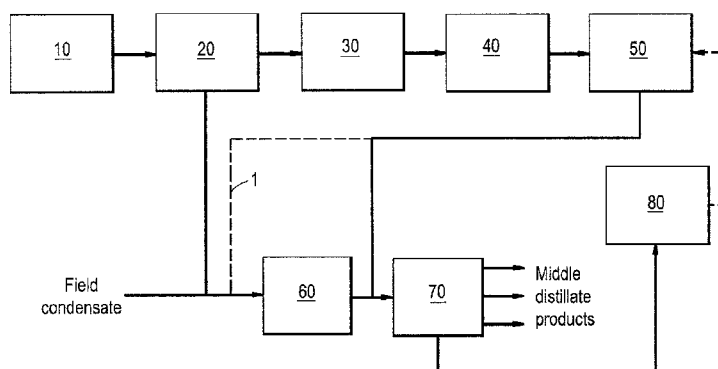
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(54) Title: INTEGRATED GAS-TO-LIQUID CONDENSATE PROCESS AND APPARATUS

Fig.1



(57) Abstract: A process is provided for production of a middle distillate fraction from a gas-to-liquid (GTL) conversion comprising the steps of: (a) providing a feed stream comprising a natural gas and a condensate and separating a condensate from the natural gas feed stream to produce a condensate feed stream and a natural gas feed stream; (b) preparing a mixture of carbon monoxide and hydrogen from the natural gas feed stream obtained in step (a); (c) preparing a long chain hydrocarbon product stream by performing a Fischer-Tropsch reaction using carbon monoxide and hydrogen obtained in step (b); (d) Subjecting the long chain hydrocarbon product stream to a hydrocracking/hydroisomerization step to obtain a hydrocracked/hydroisomerised Fischer-Tropsch (FT) product stream; (e) treating the condensate stream of step (a) with a desulfurization step to generate a condensate product stream; (f) combining the hydrocracked/hydroisomerised FT product stream of step (d) with the condensate product stream of step (e) in order to provide a distillation feed stream; and (g) performing a distillation step on the distillation feed stream, wherein the distillation step provides for isolation of middle distillate products; wherein the steps (c) to (d) occur substantially concurrently with step (e). Middle distillate fractions and fuel/fuel blends obtained according to the process are also provided.

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