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(54) Title: METHODS, APPARATUS AND SYSTEM FOR UTILISING COLD ENERGY RECOVERED FROM A LIQUEFIED NATURAL GAS FEED IN A NATURAL GAS LIQUID EXTRACTION PROCESS

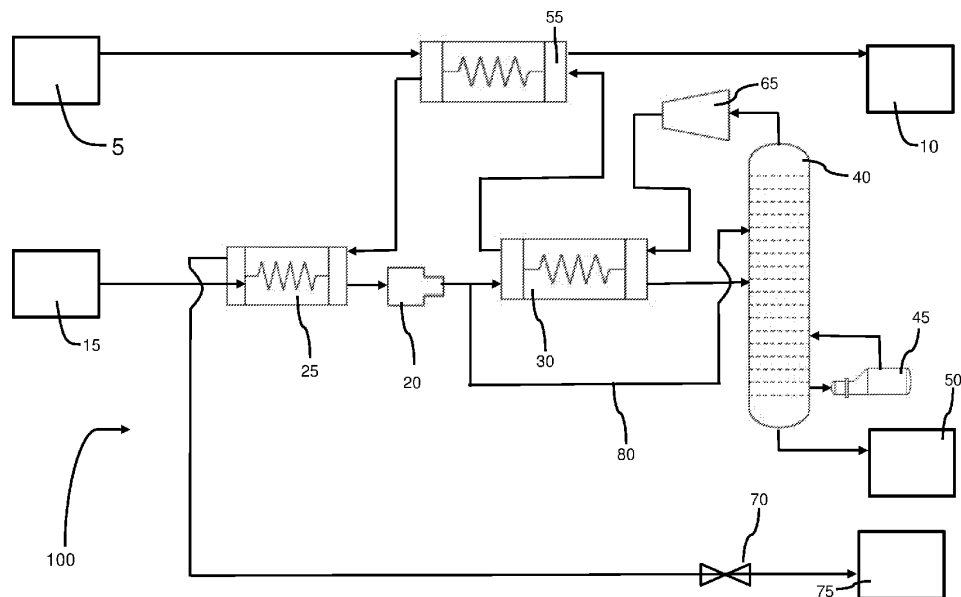


FIG. 2

(57) Abstract: Disclosed herein is a natural gas liquids (NGL) extraction process utilising cold energy recovered from a supplemental liquid natural gas (LNG) feed, and an apparatus and system for the process. The process comprises separating NGL from a rich LNG feed to provide a lean LNG stream and a NGL stream; and performing a first thermal exchange between the lean LNG stream and the supplemental LNG feed in a supplemental heat exchanger, wherein the lean LNG stream is cooled and the supplemental LNG feed is heated, wherein the supplemental LNG feed is distinct from the rich LNG feed. The apparatus and system each comprises a supplemental heat exchanger and a distillation column configured to perform the process.

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