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(54) Title: METHODS FOR REPLACING A SPENT CATALYST OF A REACTOR TRAIN OF AN OPERATING HYDROPROCESSING SYSTEM

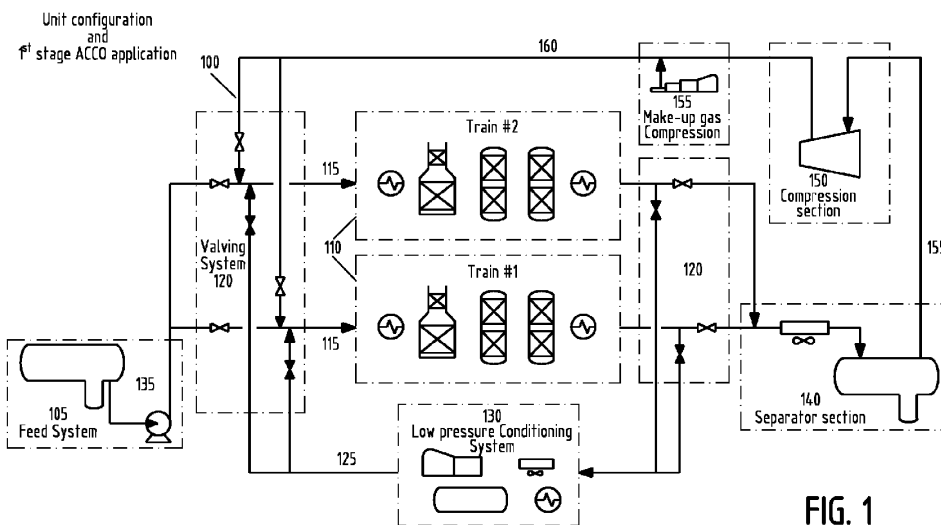


FIG. 1

(57) Abstract: The present disclosure relates to a method for replacing a catalyst of a reactor train of an operating hydroprocessing system comprising a plurality of reactor trains comprising a catalyst and each configured to receive a feed fluid and combine a portion of the feed fluid with a hydrogen stream over the catalyst to generate a hydrotreated fluid, the method comprising activating a valving system of the operating hydroprocessing system to disrupt operation of a select reactor train comprising a spent catalyst to form a disrupted reactor train while maintaining operation of at least one other reactor train; activating the gas processing system to form a decontaminated catalyst, removing the decontaminated catalyst from the disrupted reactor train to form a catalyst free reactor train; loading the catalyst free reactor train with a fresh catalyst to produce a charged reactor train; and restoring operation of the catalyst charged reactor train.

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