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(54) Title: INTEGRATED HYDROGENATION/DEHYDROGENATION REACTOR IN A CATALYTIC REFORMING PROCESS CONFIGURATION FOR IMPROVED AROMATICS PRODUCTION

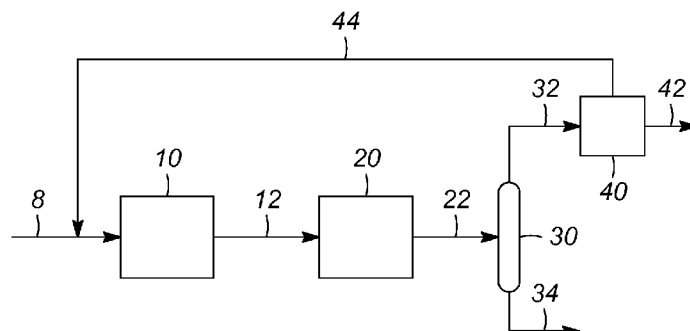


FIG:1

(57) Abstract: A process for reforming hydrocarbons is presented. The process involves applying process controls over the reaction temperatures to preferentially convert a portion of the hydrocarbon stream to generate an intermediate stream, which will further react with reduced endothermicity. The intermediate stream is then processed at a higher temperature, where a second reforming reactor is operated under substantially isothermal conditions.