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THESIS GAS AND DIMETHYLETHER

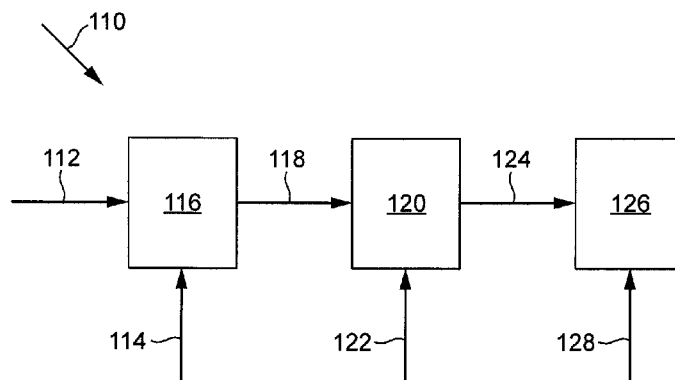


FIG. 1

(57) Abstract: An integrated process for the production of methyl acetate and methanol by the carbonylating dimethyl ether with synthesis gas, recovering methyl acetate and unreacted synthesis gas and wherein the recovered synthesis gas is utilized as the sole fresh synthesis gas for methanol synthesis.