



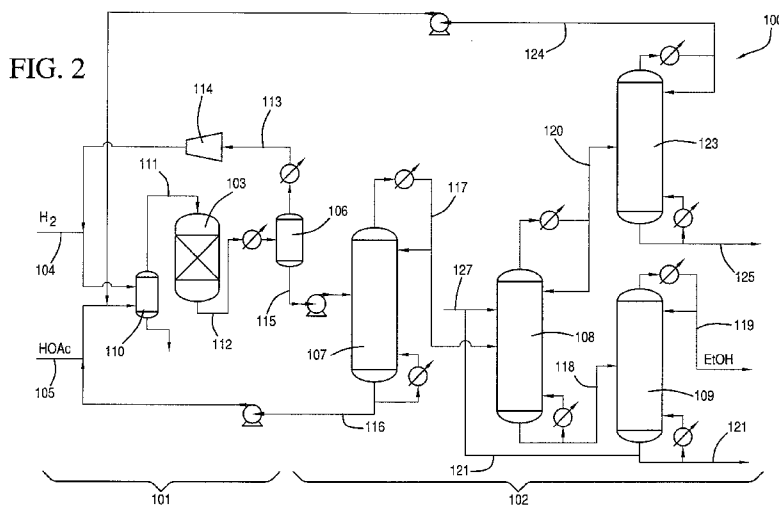
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- (54) Title:** PROCESS FOR PRODUCING ETHANOL USING AN EXTRACTIVE DISTILLATION COLUMN



- (S7) Abstract:** Recovery of ethanol from a crude ethanol product obtained from the hydrogenation of acetic acid. Separation and purification processes of crude ethanol product are employed to allow recovery of ethanol and remove impurities. In addition, the process involves separating the crude ethanol product using an extractive distillation column that employs an extraction agent, such as a recycled stream comprising water.



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