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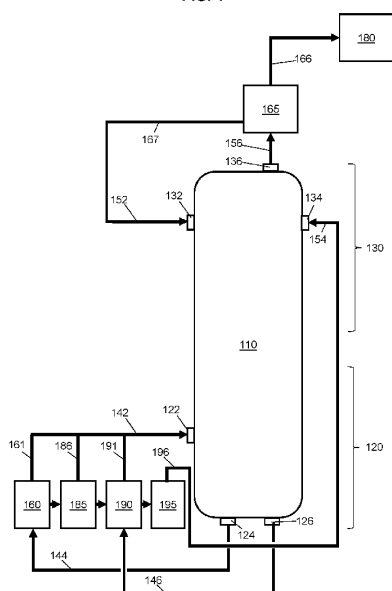
- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*
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- (54) Title:** PROCESSES FOR TREATING OFF-GAS IN AN ACETIC ACID PRODUCTION UNIT

FIG. 1



- (57) Abstract:** The present disclosure relates generally to processes for scrubbing an off-gas stream of an acetic acid production unit. In one aspect, a process includes introducing the off-gas stream to the absorption column; introducing to the absorption column, a methanol stream at a first flow rate, the methanol stream having a first temperature at the liquid inlet, the first temperature being at least 18 °C (e.g., at least 20 °C, or at least 22 °C); in the absorption column, contacting the off-gas stream with the methanol stream; through a liquid outlet of the one or more liquid outlets, withdrawing a first liquid effluent from the absorption column, the first liquid effluent comprising methanol and methyl iodide; and through the vapour outlet, withdrawing a vapour effluent from the absorption column.