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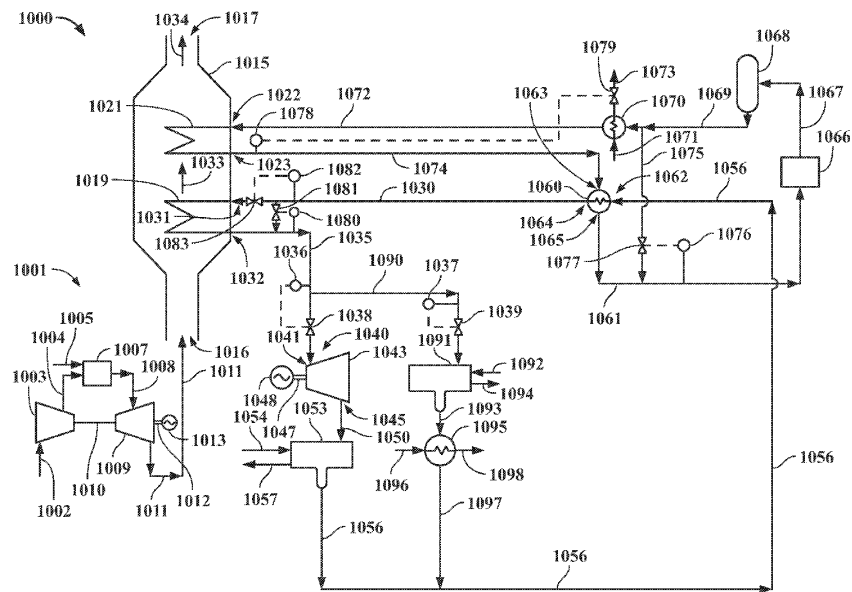
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(54) Title: PROCESSES AND SYSTEMS FOR RECOVERING HEAT AND GENERATING POWER



(57) Abstract: Processes and systems for recovering heat and generating power. In some embodiments, the process can include combusting a fuel to produce a heated exhaust gas. Heat can be indirectly transferred from the heated exhaust gas to a pre-heated first aqueous fluid to produce a steam feed and a first cooled exhaust gas. At least a portion of the steam feed can be introduced into a steam turbine generator to produce power and a cooled first aqueous fluid. Heat can be indirectly transferred from the first cooled exhaust gas to a cooled second aqueous fluid to produce a heated second aqueous fluid and a second cooled exhaust gas. Heat can be indirectly transferred from the heated second aqueous fluid to the cooled first aqueous fluid to produce the pre-heated first aqueous fluid and an intermediately cooled second aqueous fluid.

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