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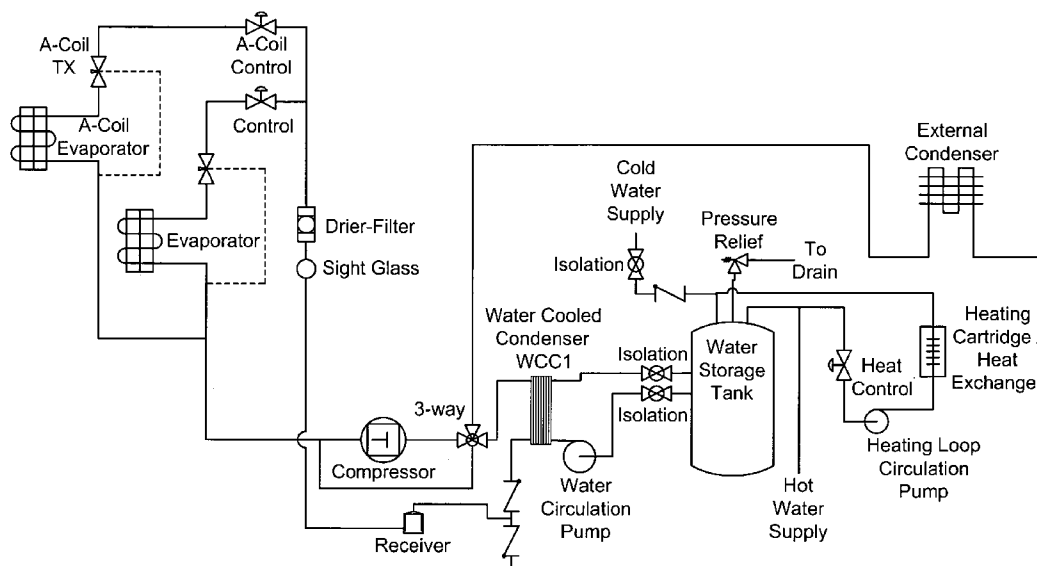
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(54) Title: BIO-RENEWABLE THERMAL ENERGY HEATING AND COOLING SYSTEM AND METHOD



(57) Abstract: The present invention is directed towards a bio-renewable thermal energy heating and cooling system which is capable of rejection, reclamation and cogeneration. The refrigeration system of the present invention utilizes one or more evaporators and one or more condensers to transform thermal energy in the form of waste heat in one environment for use in another environment. The hot and cold sides of the refrigeration process may be split for multiple applications for increased utilization of the system energy. The environmental variables are balanced so as to optimize the properties of the refrigerant and the capabilities of the system compressor.

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