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(54) Title: Cooling Tower Control System

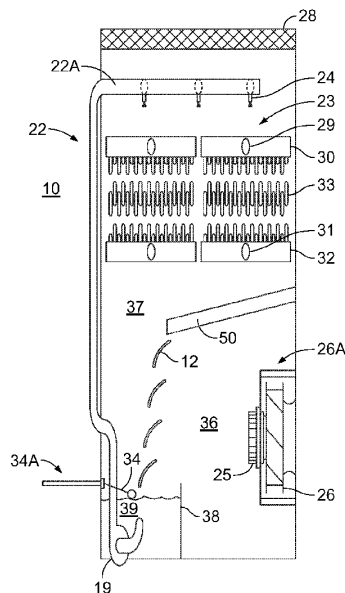


FIG. 1

(57) Abstract: In one aspect, a cooling tower system is provided that includes an evaporative heat exchanger, a sensor configured to detect a parameter of evaporative liquid distributed onto the evaporative heat exchanger, and an evaporative liquid treatment system. The cooling tower system further includes a controller having a normal operating mode wherein the controller operates the evaporative liquid treatment system to treat the evaporative liquid upon a determination of inadequate evaporative liquid quality based at least in part on the parameter of the evaporative liquid. The controller has a failsafe operating mode wherein the controller changes operation of the cooling tower upon a determination that the operation of the evaporative liquid treatment system is unable to remedy the inadequate evaporative liquid quality.

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