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(54) **Title:** A Water-Based Closed-Loop Cooling System

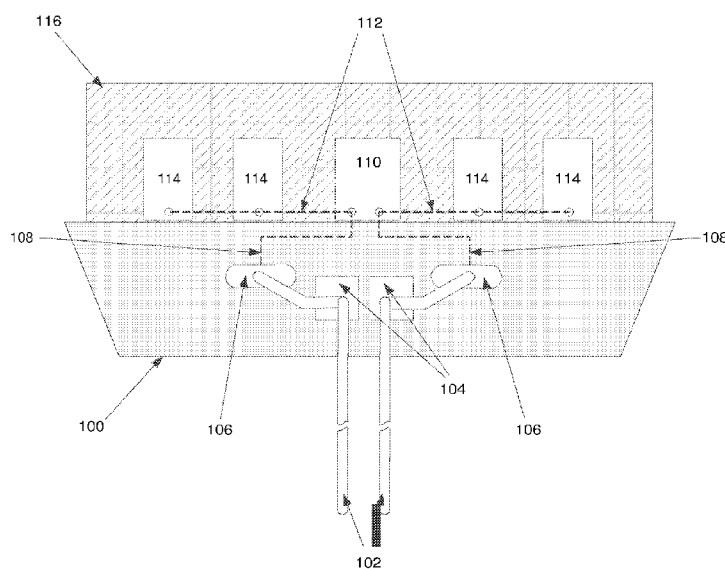


Fig. 1
Side View

(57) **Abstract:** A water-based closed-loop cooling system employed to cool waterborne data center facility generally comprise a plurality of filtered water intake pipes, a plurality of filtered water exhaust pipes, a plurality of heat exchangers, a plurality of closed-loop cooling systems or closed-loop coolant distribution units that may use freshwater as a coolant, and a plurality of piping systems. The energy-efficient water based closed-loop cooling system and method described may use naturally occurring cold water as a heat sink in a plurality of heat exchange systems. The systems and methods described in this document may be employed to provide an energy-efficient water-based closed-loop cooling system to maintain interior ambient conditions suitable for proper operation of the plurality of computer systems therein.