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(54) Title: HARD DRIVE COOLING FOR FLUID SUBMERSION COOLING SYSTEMS

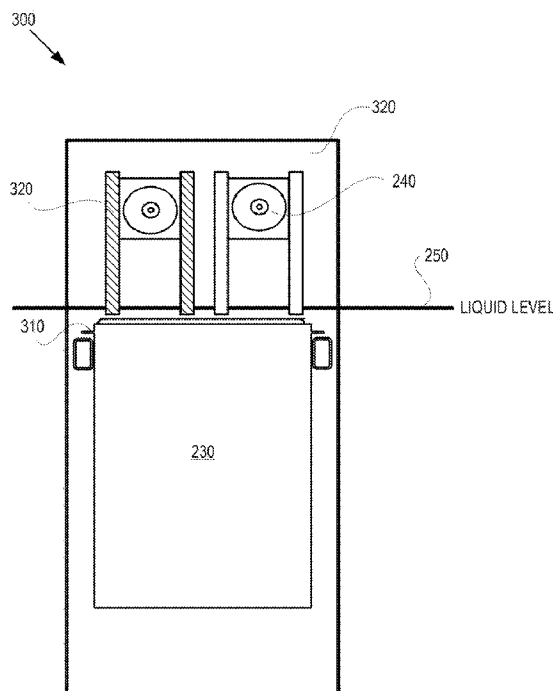


FIG. 3

(57) Abstract: Hard disk drives and computing systems to which they are connected are cooled by submerging the computing systems into a dielectric liquid coolant in a tank and by thermally coupling the hard disk drives to a heat conductive extension that is partly submerged into the coolant and partly out of the coolant. To keep the hard disk drives out of the coolant, they are mounted to the part of the heat conductive extension that is out of the coolant. In such a configuration, the hard disk drives are cooled through conduction of the heat from the hard disk drive to the coolant via the heat conductive extension. A pump may be used to move warmer coolant from the tank into a heat exchanger where the coolant is cooled and to move the cooled coolant back into the tank.



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