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(54) **LIQUID SUBMERGED, HORIZONTAL
COMPUTER SERVER RACK AND SYSTEMS
AND METHOD OF COOLING SUCH A
SERVER RACK**

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patent is extended or adjusted under 35
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H05K 7/20 (2006.01)
G06F 1/20 (2006.01)

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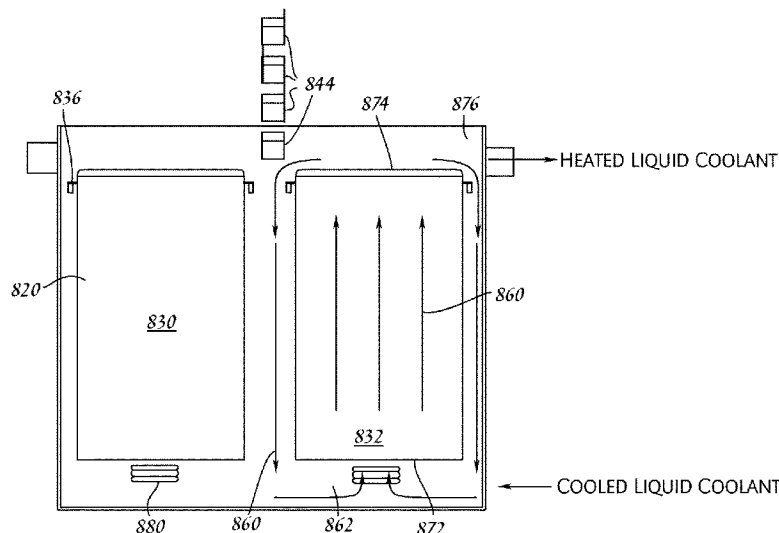
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(57) **ABSTRACT**

Apparatus, systems, and methods for efficiently cooling
computing devices having heat-generating electronic com-
ponents, such as, for example, independently operable serv-
ers, immersed in a dielectric liquid coolant in a tank.

33 Claims, 14 Drawing Sheets



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USPC 62/259.2, 263, 434, 435; 361/699; 165/104.33

See application file for complete search history.

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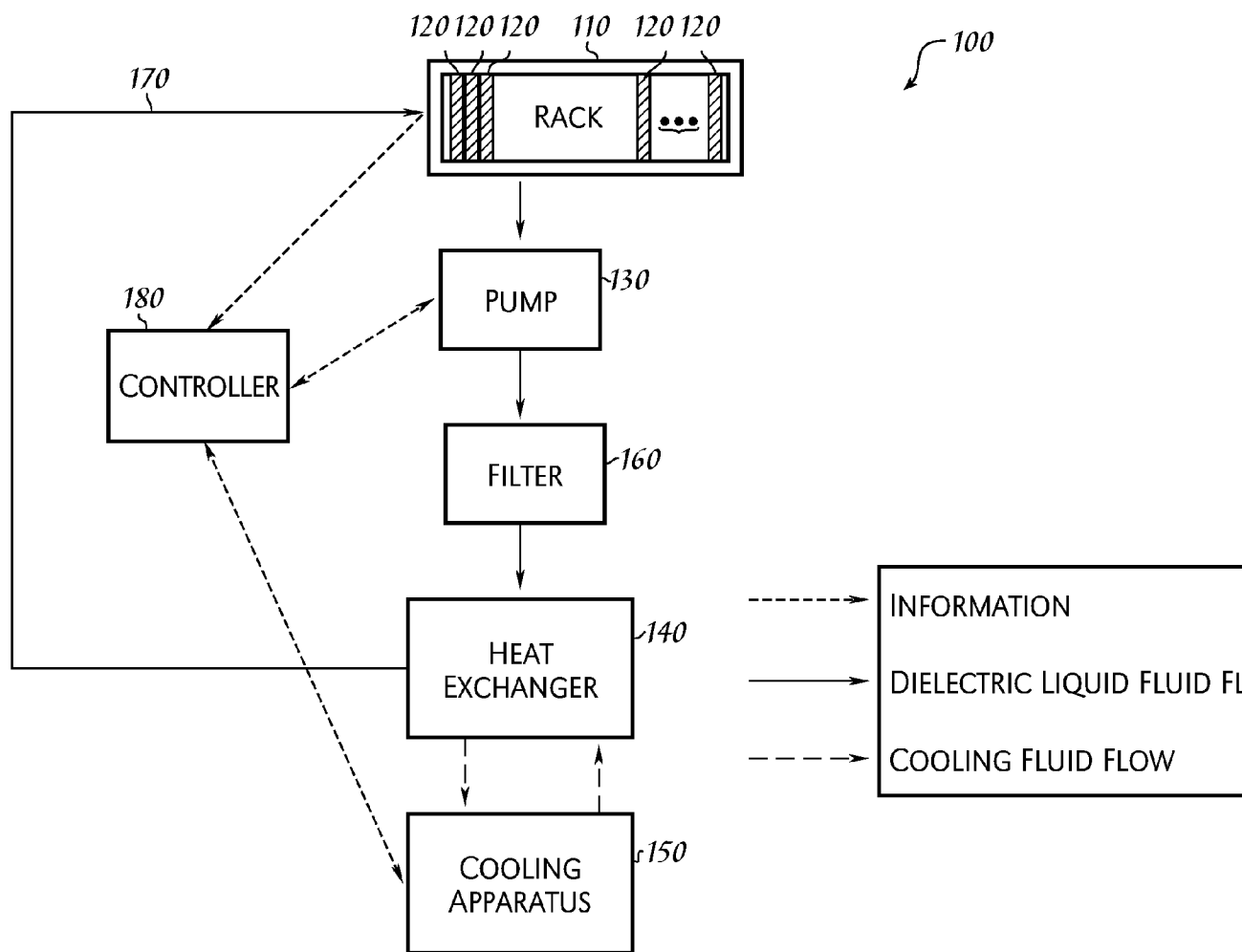


Fig. 1A

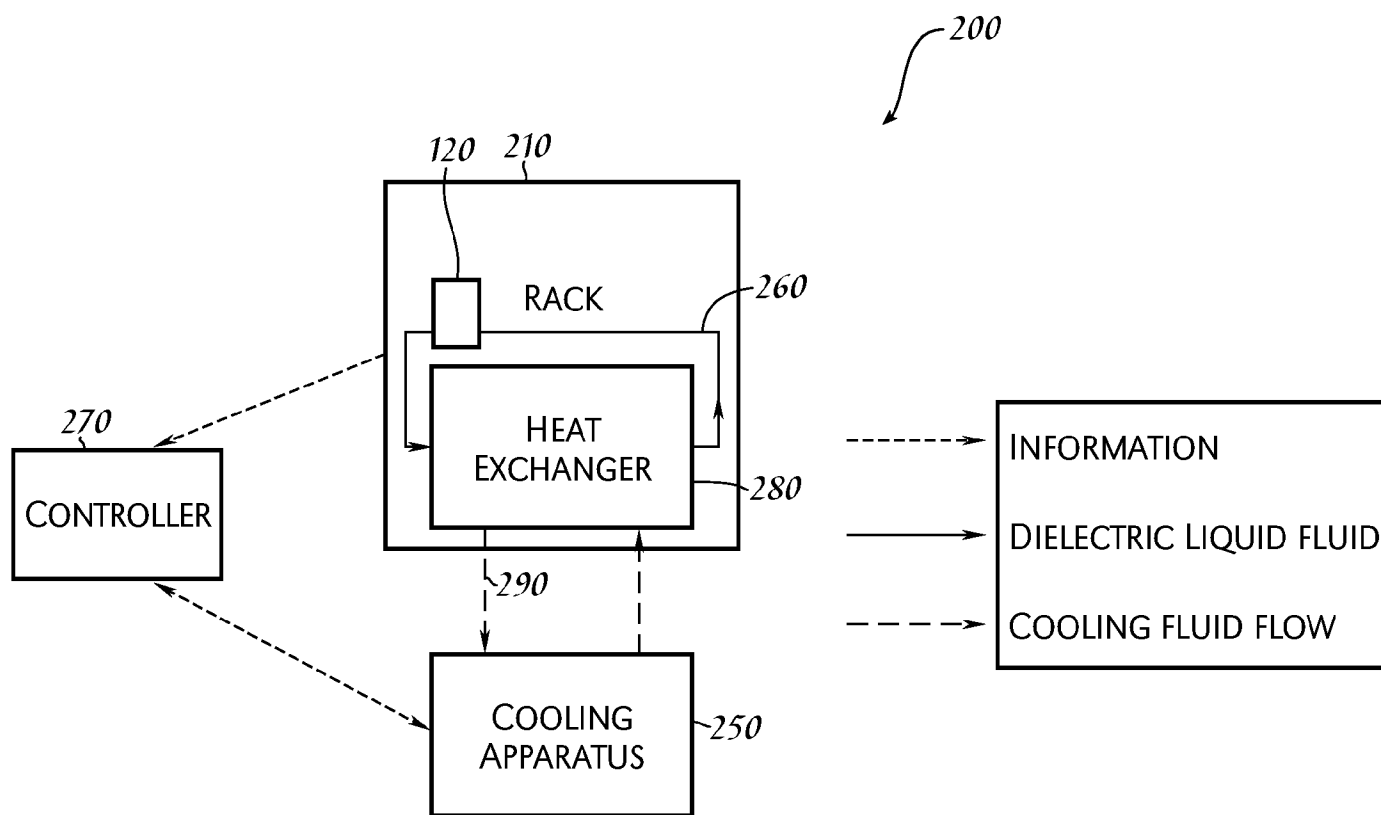


Fig. 1B

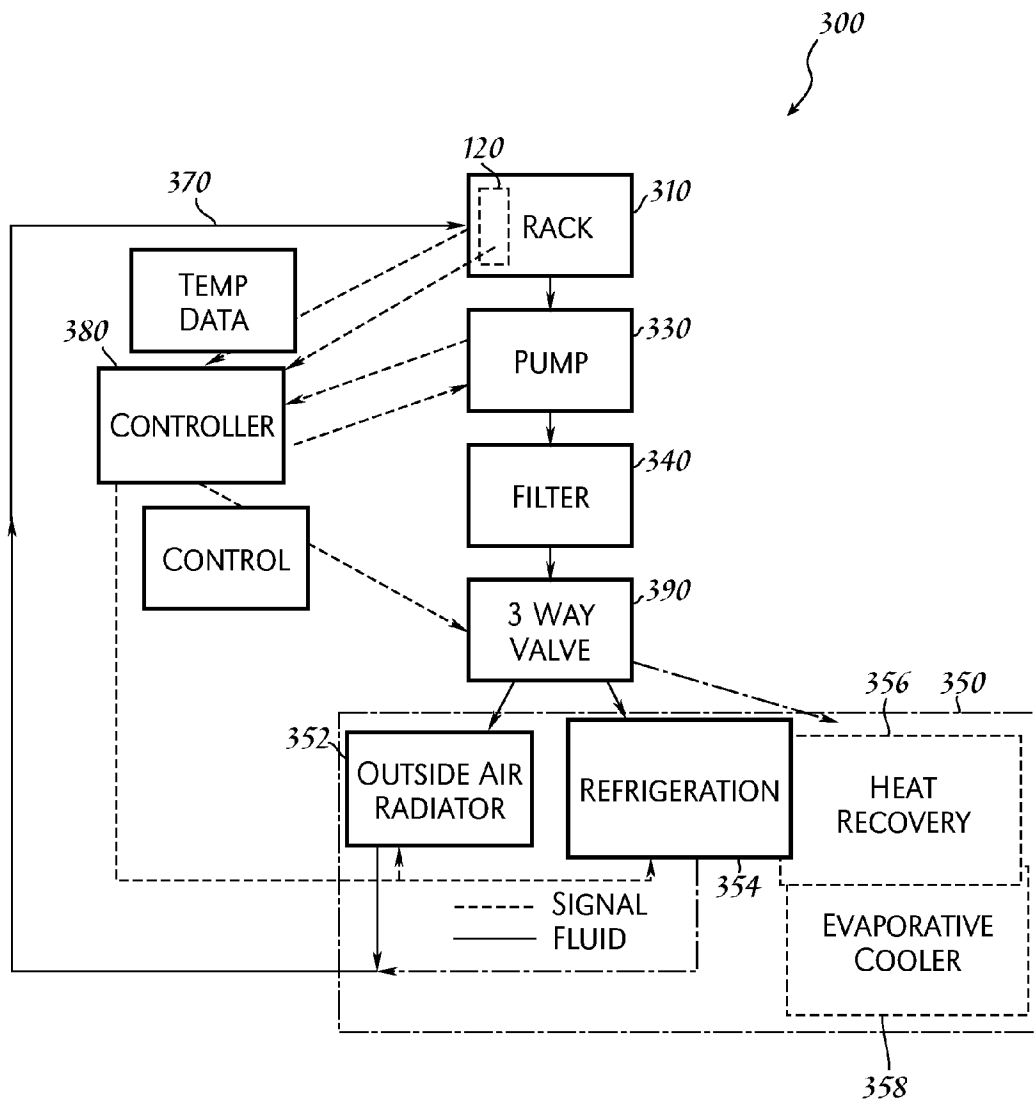


Fig. 2

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