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(54) Title: COLD ROW ENCAPSULATION FOR SERVER FARM COOLING SYSTEM

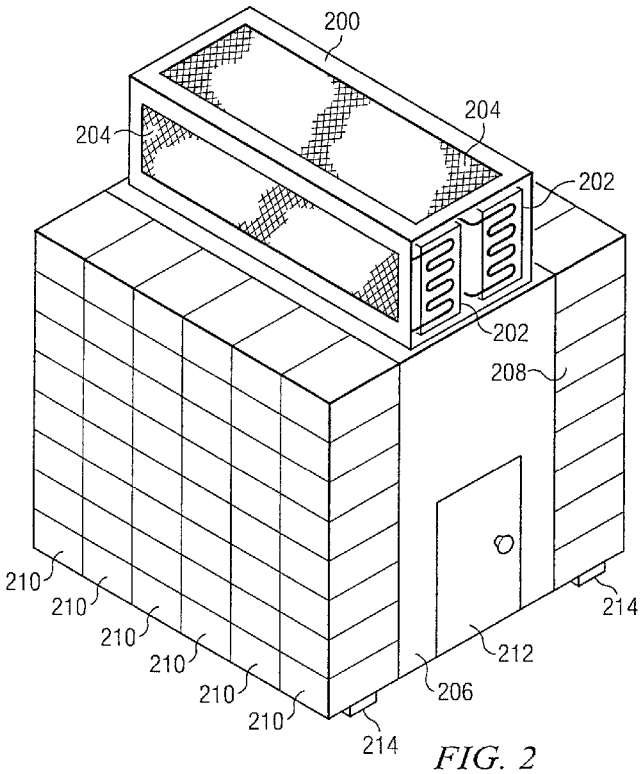

FIG. 2

(57) Abstract: Apparatuses, methods, and systems directed to efficient cooling of data centers. Some embodiments of the invention allow encapsulation of cold rows through an enclosure and allow server fans to draw cold air from the cold row encapsulation structure to cool servers installed on the server racks. In other particular embodiments, the systems disclosed can be used to mix outside cool air into the cold row encapsulation structure to cool the servers. In some embodiments, the present invention involves utilizing a raised sub-floor design of a data center room.

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