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(54) Title: METHODS AND APPARATUS FOR HOT AISLE/COLD AISLE DATA CENTER FIRE SUPPRESSION

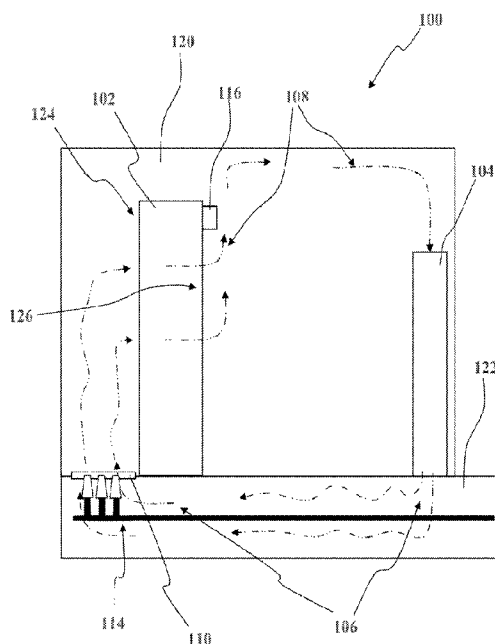


FIGURE 1

(57) Abstract: Methods and apparatus for hot aisle/cold aisle data "center fire suppression according to various aspects of the present invention include a detection system that is configured to be located proximate to a side of a computer cabinet facing a hot aisle and a discharge system that is configured to be located within a subfloor having a cooling airflow that is directed upwards from the subfloor through one or more vents in the subfloor and into a cold aisle. The detection system may be configured to detect a fire condition such as smoke exiting the cabinet and in response generate a signal that activates the discharge system. The discharge system may be configured to inject a fire suppressant into the cooling airflow, whereby the cooling airflow may facilitate delivery of the fire suppressant into the cold aisle and the computer cabinet.

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