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(54) Title: LITHIUM-ION BATTERY FIRE SUPPRESSION COMPOSITION AND METHODS OF USE

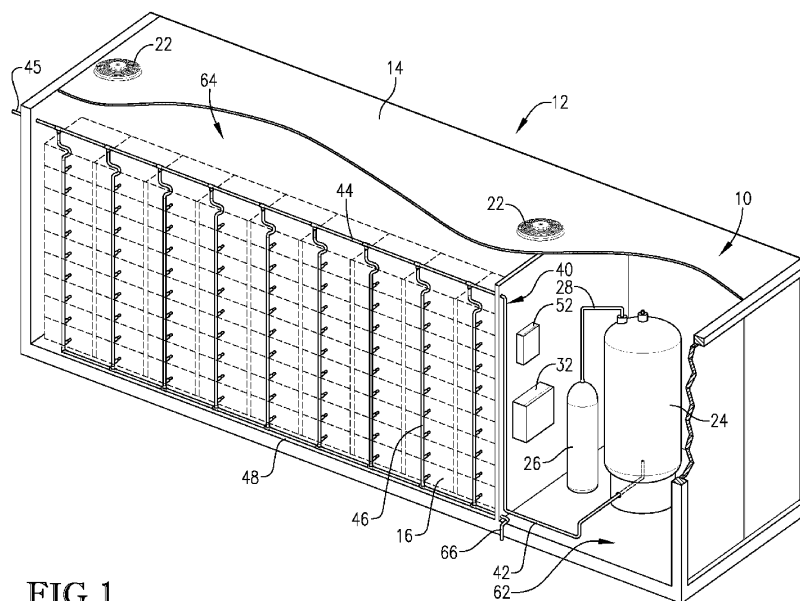


FIG. 1

(57) Abstract: Fire suppressing agents and their use in suppressing thermal events in lithium-ion batteries are provided. The fire suppressing agents comprise an aqueous solution of a carboxylate salt, particularly a potassium or sodium salt of lactic acid, acetic acid, citric acid, glycolic acid, butyric acid, or tartaric acid. The fire suppressing agent can be delivered to a battery cell, or battery module comprising a battery cell, which is experiencing a thermal event, such as a thermal runaway, to suppress the thermal event, and inhibit a cascade of the thermal event to adjacent cells.

[Continued on next page]

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