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(72) Inventor; and

(71) Applicant: **MONFORT, Edward, Riggs** [US/US]: 7780
49th Street N, Suite 258, Pinellas Park, FL 33781 (US).

(74) Agent: **SUNWOO, Nate, S.** et al.; Finnegan, Henderson,
Farabow, Garrett & Dunner, LLP, 901 New York Avenue,
N.W., Washington, DC 20001-4413 (US).

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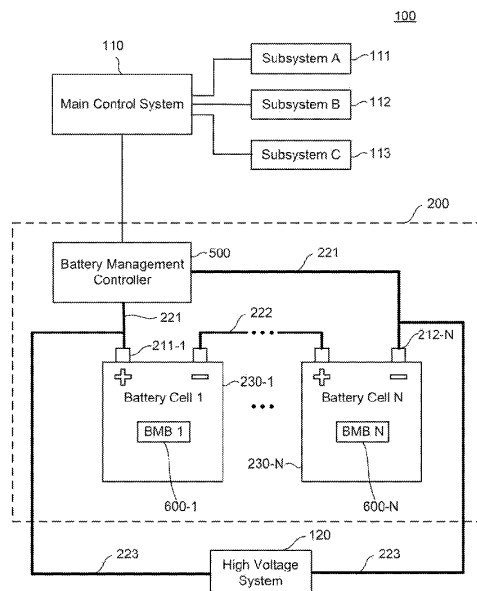


FIG. 1

(57) Abstract: A battery management system includes a plurality of batteries each comprising a positive terminal and a negative terminal, wherein the positive or negative terminal of each of the plurality of batteries is coupled to the positive or negative terminal of another one of the plurality of batteries; a monitoring board connected to the positive terminal and the negative terminal of at least one of the plurality of batteries; and a controller connected to the monitoring board through the positive terminals and the negative terminals of the plurality of batteries, wherein the monitoring board is configured to monitor a status of the at least one battery and transmit one or more battery parameters of the at least one battery to the controller, and wherein the controller is configured to adjust performance of the plurality of batteries based on the one or more battery parameters.

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