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(54) **LOAD OPTIMIZATION USING CABLE-ASSOCIATED VOLTAGE DROP**

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(52) **U.S. Cl.**

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(58) **Field of Classification Search**

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See application file for complete search history.

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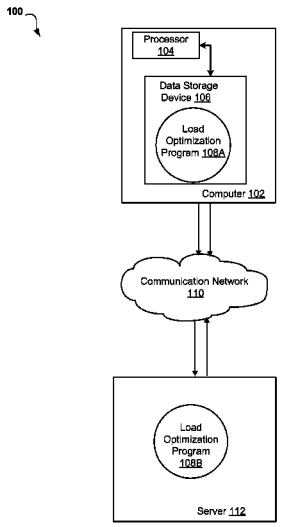
(57) **ABSTRACT**

According to one exemplary embodiment, a method for load optimization using cable-associated voltage drop is provided. The method may include receiving a plurality of tasks for processing by a plurality of electronic devices. The method may also include determining a power loss value for one or more power cables powering each of the plurality of electronic devices. The method may further include assigning the plurality of tasks to one or more of the plurality of electronic devices based on the power loss value for the one or more power cables powering each of the plurality of electronic devices.

15 Claims, 3 Drawing Sheets