CLAIMS

~~1. A container refrigerator operating with a generator (G) connected thereto as its power supply and generating equivalent negative-phase-sequence current during its operation, the refrigerator comprising:~~

~~a first calculator (80) which calculates a permissible equivalent negative-phase-sequence current (I_{tg}) of the generator (G) connected;~~

~~a second calculator (81) which calculates the equivalent negative-phase-sequence current (I_t) generated during the operation; and~~

~~a restrictor (82) which restricts the equivalent negative-phase-sequence current (I_t) generated to the permissible equivalent negative-phase-sequence current (I_{tg}) of the generator (G) or less if the equivalent negative-phase-sequence current (I_t) generated that has been calculated exceeds the permissible equivalent negative-phase-sequence current (I_{tg}) of the generator (G).~~

~~2. The container refrigerator of claim 1, comprising:~~

~~a power converter (65) which converts power supplied from the generator (G) and supplies the converted power to a predetermined component device (CM); and~~

~~a controller (75) which controls the frequency of the power converted by the power converter (65), wherein~~

~~the restrictor (82) controls the controller (75) to lower the frequency of the power converted by the power converter (65) if the equivalent negative-phase-sequence current (I_t) generated that has been calculated exceeds the permissible equivalent negative-phase-sequence current (I_{tg}) of the generator (G).~~

~~3~~1. ~~The container refrigerator of claim 2, wherein~~ A container refrigerator operating with a generator (G) connected thereto as its power supply and generating equivalent negative-phase-sequence current during its operation, the refrigerator comprising:

a first calculator (80) which calculates a permissible equivalent negative-phase-sequence current (I_{tg}) of the generator (G) connected;

a second calculator (81) which calculates the equivalent negative-phase-sequence current (I_t) generated during the operation;

a restrictor (82) which restricts the equivalent negative-phase-sequence current (I_t) generated to the permissible equivalent negative-phase-sequence current (I_{tg}) of the generator (G)

or less if the equivalent negative-phase-sequence current (I_t) generated that has been calculated exceeds the permissible equivalent negative-phase-sequence current (I_{tg}) of the generator (G);

a power converter (65) which converts power supplied from the generator (G) and supplies the converted power to a predetermined component device (CM); and

a controller (75) which controls the frequency of the power converted by the power converter (65), wherein

the restrictor (82) controls the controller (75) to lower the frequency of the power converted by the power converter (65) if the equivalent negative-phase-sequence current (I_t) generated that has been calculated exceeds the permissible equivalent negative-phase-sequence current (I_{tg}) of the generator (G), and

the second calculator (81) calculates a power to drive the power converter (65) by subtracting a power to drive a component device (CFM, EFM) generating no harmonics from a power to drive the container refrigerator, and also calculates, based on the power (kWI) to drive the power converter (65) that has been calculated, the equivalent negative-phase-sequence current (I_t) generated.

4 2. The container refrigerator of ~~any one of~~ claim~~s~~ 1 ~~3~~, wherein

the second calculator (81) has an equation for calculating the equivalent negative-phase-sequence current (I_t) generated in association with multiple different kinds of container refrigerators, and calculates, by an equation associated with its own container refrigerator, the equivalent negative-phase-sequence current (I_t) generated.