[0010] Additionally, galleys are bulky monuments, requiring a substantial amount of room aboard a craft. Their common location near the front of an aircraft cabin frequently necessitates that all passengers must walk through the galley while boarding the craft. This is problematic because the galley is intended for cabin crew use only and ideally should be maintained as a restricted area. Furthermore, it presents a bottle neck that impedes quick boarding.

BRIEF SUMMARY OF THE INVENTION

[0011] Accordingly, disclosed herein are improvements to trolleys over the drawbacks and limitations of existing trolleys. The following presents a simplified summary of some embodiments of the invention in order to provide a basic understanding of the invention. This summary is not an extensive overview of the invention. It is not intended to identify key/critical elements of the invention or to delineate the scope of the invention. Its sole purpose is to present some embodiments of the invention in a simplified form as a prelude to the more detailed description that is presented later.

[0011a] According to a first aspect of the invention, a system ~~for heating or cooling at least some contents of a service trolley on a craft is provided, comprising at least one service trolley, the at least one service trolley comprising a container, a plurality of wheels attached with the container and configured to support the container relative to a support surface and to facilitate movement of the container relative to the support surface, and at least one fuel canister housed at least partially on or at least partially inside the container; and at least one docking station, the at least one docking station position located on the craft and configured to receive the at least one service trolley for heating or cooling of contents of the at least one service trolley, the at least one docking station position comprising at least one fuel cell system configured to receive fuel from the at least one fuel canister of the at least one service trolley, wherein the at least one docking station position further comprises at least one temperature regulating module configured to be powered by the at least one fuel cell system, the temperature regulating module configurable for at least one of cooling or heating contents of the at least one service trolley by a product from the at least one fuel cell system.~~comprising:

(A) at least one service trolley, the at least one service trolley comprising

(i) a container;

(ii) a plurality of wheels attached with the container and configured to support the container relative to a support surface and to facilitate movement of the container relative to the support surface; and

(iii) at least one fuel canister housed at least partially on or at least partially inside the container; and

(B) at least one docking station position, the at least one docking station position located on a craft and configured to receive the at least one service trolley for heating or cooling of at least some contents of the at least one service trolley, the at least one docking station position comprising:

(i) at least one fuel cell system configured to receive fuel from the at least one fuel canister housed at least partially on or at least partially inside the container of the at least one service trolley when the at least one service trolley is received by the at least one docking station; and

(ii) at least one temperature regulating module configured to receive at least one product from the at least one fuel cell system, wherein the temperature regulating module configurable for at least one of cooling or heating the at least some contents of the at least one service trolley (a) when the at least one service trolley is received by the at least one docking station position and (b) by use of the at least one product received by the temperature regulating module from the at least one fuel cell system.

[0012] As an example embodiment, a service trolley is provided for use in a craft, such as a commercial passenger aircraft. The trolley can have a container attached to a plurality of wheels, whereby the wheels are configured to support the container relative to a support surface, such as the passenger deck of an aircraft. The wheels facilitate movement of the container relative to the support surface. The service trolley can further include a power source. The power source can be housed at least partially on or at least partially within the container, and the power source can be configured for providing power to at least one system of the trolley. These systems can be housed at least partially on or at least partially within the container.

[0013] The trolley can include a number of different systems, either individually or in combination with one another. For example, the trolley can include a drive-assist system configured to assist at least one of the plurality of wheels to turn to move the trolley. The trolley can include a braking system configured to resist turning of at least one of the plurality of wheels to resist movement of the trolley. Also, the trolley can include a heating system for

heating at least some contents of the trolley, and the trolley can include a cooling system for cooling at least some contents of the trolley. Additionally, the trolley can include a drink dispensing system, and the trolley can

WHAT IS CLAIMED IS:

1. A system ~~for heating or cooling at least some contents of a service trolley on a craft, the system~~ comprising:

(A) at least one service trolley, the at least one service trolley comprising

(i) a container~~,~~;

(ii) a plurality of wheels attached with the container and configured to support the container relative to a support surface and to facilitate movement of the container relative to the support surface~~,~~; and

(iii) at least one fuel canister housed at least partially on or at least partially inside the container; and

(B) at least one docking station position, the at least one docking station position located on a ~~the~~ craft and configured to receive the at least one service trolley for heating or cooling of at least some contents of the at least one service trolley, the at least one docking station position comprising:

(i) at least one fuel cell system configured to receive fuel from the at least one fuel canister housed at least partially on or at least partially inside the container of the at least one service trolley~~,~~; when the at least one service trolley is received by the at least one docking station; and

(ii) ~~wherein the at least one docking station position further comprises~~ at least one temperature regulating module configured to receive at least one product from ~~be powered by~~ the at least one fuel cell system, wherein the temperature regulating module configurable for at least one of cooling or heating the at least some contents of the at least one service trolley (a) when the at least one service trolley is received by the at least one docking station position and (b) by ~~a~~ use of the at least one product received by the temperature regulating module from the at least one fuel cell system.

2. The system of claim 1, wherein the at least one fuel cell system provides power to a galley of the craft.

3. The system of any one of the preceding claims, wherein the at least one fuel cell system provides power to a lower deck storage of the craft.

4. The system of any one of the preceding claims, wherein the at least one fuel canister is removable.

5. The system of any one of the preceding claims, wherein the at least one fuel canister is refillable.

6. The system of any one of the preceding claims, wherein the container comprises walls containing insulation.