[0035] In some embodiments, the storage device is operable to illuminate a storage container in a particular color that corresponds to the type of inventory or status of the inventory stored in the storage container.

[0036] According to a third aspect of the present disclosure, a storage device for medical products comprises a cabinet, a drawer assembly, a plurality of storage containers, an actuation assembly and a manual release mechanism. The drawer assembly is positioned in the cabinet and includes a plurality of storage spaces. Each storage container associated with one of the storage spaces. The actuation assembly includes an array of actuators, each of the actuators of the array being associated with a respective storage container and being independently actuable to secure or release the respective storage container with which the respective actuator is associated relative to the storage space. The manual release mechanism actuable by a user to over-ride the actuation assembly and independently release the storage containers from the storage spaces. The storage containers are configured to permit air to flow through the container, without permitting a user to access the contents of the storage container.

[0037] In some embodiments, the storage device comprises a plurality of drawer assemblies, each drawer assembly including a plurality of storage spaces, each drawer further comprising a separate manual release mechanism to release only the storage containers or the respective drawer.

[0038] In some embodiments, each manual release mechanism is spring biased to a position that prevents the storage containers of the drawer from being manually released.

[0039] In some embodiments, the manual release may be manual moved to a released position and locked in the released position.

[0040] In some embodiments, each manual release includes a handle that is normally inaccessible to a user.

[0041] In some embodiments, the handles are positioned behind a cover that is secured to the cabinet by a lock that requires a security interface to be actuated to release the lock.

[0042] In some embodiments, the manual release mechanism is spring biased to a position that prevents the storage containers of the drawer from being manually released.

[0043] In some embodiments, the manual release may be manual moved to a released position and locked in the released position.

[0044] In some embodiments, each manual release includes a handle that is normally inaccessible to a user. In some embodiments, the handle is positioned behind a cover that is secured to the cabinet by a lock that requires a security interface to be actuated to release the lock.

CLAIMS

1. A storage device for medical products comprises

a cabinet,

a drawer assembly positioned in the cabinet, the drawer assembly including a plurality of storage spaces,

a plurality of storage containers, each storage container associated with one of the storage spaces,

an actuation assembly including an array of actuators, each of the actuators of the array being associated with a respective storage container, each of the actuators being independently actuable to secure or release the respective storage container with which the respective actuator is associated relative to the storage space, and

a manual release mechanism actuable by a user to over-ride the actuation assembly and independently release the storage containers from the storage spaces.

2. The storage device of claim 1, wherein the drawer assembly is removable from the cabinet and the drawer assembly is secured to the cabinet by an electrically actuable actuator.

3. The storage device of claim 1, wherein the manual release mechanism is secured to the drawer assembly, the manual release mechanism including a user interface that is manually operable to move the manual release mechanism to release the storage containers.

4. The storage device of claim 3, where movement of the user interface is transferred to cause longitudinal movement of a rod along a longitudinal axis of the rod.

5. The storage device of claim 4, wherein longitudinal movement

of the rod is transferred to a link to cause rotational movement of a shaft about the longitudinal axis of the shaft.

6. The storage device of claim 5, wherein rotational movement of the shaft causes a link to engage a portion of the actuation assembly to cause the storage containers to be released independently of the actuators.

7. The storage device of claim 1, wherein the storage device comprises a plurality of drawer assemblies, each drawer assembly including a plurality of storage spaces, each drawer further comprising a separate manual release mechanism to release only the storage containers or the respective drawer, and wherein each manual release mechanism is spring biased to a position that prevents the storage containers of the drawer from being manually released.

8. The storage device of claim 7, wherein each manual release may be manually moved to a released position and locked in the released position, and wherein each manual release includes a handle that is changeable between an accessible position and an inaccessible position.

9. The storage device of claim 1, wherein the storage device is operable to illuminate a storage container in a particular color that corresponds to the storage container being in at least one of an open position in which the storage container is not properly located in the associated storage space and an unlocked position in which the storage container is unsecured and able to move relative to the storage space.

10. The storage device of claim 9, wherein the storage device is operable to illuminate a storage container in a particular color using a blinking pattern that corresponds to the storage container being in the open position and the unlocked position.

11. A storage device for medical products comprises

a cabinet,

a drawer assembly positioned in the cabinet, the drawer assembly including a plurality of storage spaces,

a plurality of storage containers, each storage container associated with one of the storage spaces,

an actuation assembly including an array of actuators, each of the actuators of the array being associated with a respective storage container, each of the actuators being independently actuable to secure or release the respective storage container with which the respective actuator is associated relative to the storage space, and

a manual release mechanism actuable by a user to over-ride the actuation assembly and independently release the storage containers from the storage spaces,

wherein the storage containers are configured to permit air to flow through the container, without permitting a user to access the contents of the storage container.

12. The storage device of claim 11, wherein the storage container includes a guard that comprises a number of vanes, the vanes spaced apart to allow air to flow through the guard and into a storage space of the storage container.

13. The storage device of claim 12, wherein the storage container includes a lower support surface, the lower support surface including at least one fenestration to permit air to flow through the lower support surface and into the storage space.

14. The storage device of claim 11, wherein the storage container includes a lower support surface, the lower support surface including at least one fenestration to permit air to flow through the lower support surface and into the storage space.

15. A storage device for medical products comprises

a control system,

a cabinet,

a drawer assembly positioned in the cabinet, the drawer assembly including a plurality of storage spaces,

a plurality of storage containers, each storage container associated with one of the storage spaces,

an actuation assembly including an array of actuators, each of the actuators of the array being associated with a respective storage container, each of the actuators being independently actuable to secure or release the respective storage container with which the respective actuator is associated relative to the storage space, and

a manual release mechanism actuable by a user to over-ride the actuation assembly and independently release the storage containers from the storage spaces.

16. The storage device of claim 15, wherein the control system is operable to monitor the storage conditions of an inventory item stored in the device and to determine if the inventory item has been changed from its initial status.

17. The storage device of claim 15, wherein the storage device includes sensors to monitor environmental conditions and the control system utilizes sensor data to determine if the inventory has been changed from its initial status.

18. The storage device of claims 17, wherein the control system monitors to determine if a particular inventory item is absent from a storage location to determine if a particular inventory item has been removed.

19. The storage device of claims 17, wherein the control system monitors to determine if a particular inventory item is absent from a storage location to determine if a particular inventory item has been removed, and wherein if an inventory item has been removed, the control system may change the status of the

stored inventory to a quarantine status.

20. The storage device of claim 17, wherein the control system monitors to determine if a particular inventory item is absent from a storage location to determine if a particular inventory item has been removed, and wherein if an inventory item has been removed, the control system may change the status of the stored inventory to a quarantine status, and wherein the control system is operable to report the quarantine status.

21. The storage device of claim 15, wherein the storage device is operable to illuminate a storage container in a particular color that corresponds to the type of inventory stored in the storage container.