~~THE INVENTION CLAIMED IS:~~

CLAIMS

1. A receiving module for a ceiling patient lift, wherein the receiving module is a trolley, which is slidingly movable along on a track, the receiving module comprising:

a housing defining an internal cavity configured to hold a motor unit;

a door hingedly connected to a side face of the housing, the door ~~movable between an open position and a closed position;~~being configured to move between a first position in which the door is closed and is configured to prevent access to the internal cavity of the housing, and a second position in which the door is open and configured to actuate a brake for securing the receiving module relative to the track, and wherein the door is configured to directly engage a portion of the track to lock the door to the track in the open position, and wherein the door has a friction point or latch provided on a top side of the door that is configured to assist in locking the door in the open position;

a slider element operatively connected to the housing;

at least one retaining member connected to the slider element and slidably receiving in a side face of the housing;

at least one counter support provided on an upper surface of the housing; and

at least one ramp member provided in the internal cavity of the housing.

2. A lift system for lifting and transferring a person, wherein the lift system comprises:

a hoist assembly for lifting a person; and

a receiving module according to claim 1 engagable with a track,

wherein the slider element comprises the at least one retaining member traversing a width of the housing,

wherein the ~~receiving module comprises: a~~ housing for removably receiving a portion of the hoist assembly such that the hoist assembly is detachably coupled to the housing; and wherein the door is ~~a~~ pivotable, ~~door~~ allowing access to ~~an~~the interior cavity of the housing and securing the portion of the hoist assembly within the housing~~,~~, ~~wherein the door is movable between a first position in which it is closed, preventing access to the interior cavity of the housing and a second position in which~~

~~the door is open, actuating a brake for securing the receiving module relative to the track.~~

3. The lift system of claim 2, wherein~~,~~ the door is configured to be snap fit with respect to ~~in the open position, the door engages~~ a portion of the track, thereby locking the door to the track in the open position.

~~4. The lift system of claim 2, wherein the door is configured to be snap fit with respect to a portion of the track, thereby locking the door to the track in the open position.~~

~~5.~~4. The lift system of claim 2, wherein the door is pivotably hinged to the housing about a pivot point spaced apart from the track, ~~and wherein the door further comprises a friction point adjacent to and offset from the pivot point,~~ said friction point or latch positionable between the pivot point and the track to secure the door to the track in the open position and prevent movement of the receiving module.

~~6.~~5. The lift system of claim 2, wherein the door is pivotably hinged to the housing about a pivot point spaced apart from the track, and wherein the door further comprises a tongue with a tab at an end thereof adjacent to and offset from the pivot point.

~~7.~~6. The lift system of ~~any one of the claims 2-6~~claim 2, wherein the housing is configured as a housing comprising four side faces, an upper face and a lower face, wherein a slot is defined within the lower face for accommodating a portion of the hoist assembly.

~~8.~~7. The lift system of ~~any one of the claims 2-7~~claim 2, wherein the door is pivotably positioned by a user in the first and second positions by manually rotating the door.

~~9. The lift system of any one of the claims 2-8, wherein the receiving module further comprises a slider element comprising a retaining member traversing the width~~

of the housing, wherein the slider element is slidably movable in a vertical direction to allow access to the interior cavity of the housing and to secure the portion of the hoist assembly within the housing.

10. The lift system of claim 9, wherein the housing comprises two slots on opposing side faces of the housing for receiving retaining elements of the slider element, wherein opposing ends of the retaining elements extend through and beyond the sides of the housing, allowing a user to discern the position of the retaining member from the exterior of the receiving module.

11. The lift system of claim 10, wherein the opposing ends of the retaining member each comprise a head having a width wider than the slots to secure the retaining member within the slots.

12. The lift system of any one of claims 9-11, wherein the retaining member is configured as a rivet.

13. The lift system of any one of claims 9-12, wherein the slider element further comprises a locking tab extending towards the door and engageable with a slot in the door to lock the door in the closed position.

14. The lift system of claim 13, wherein the locking tab is friction fitted to the slot in the door to secure the door in the closed position.

15. The lift system of any one of claims 9-14, wherein the slider element is slidably positioned by a user in a vertical direction by manually lifting and lowering one of the retaining member and locking tab.

16. The lift system of any one of claims 9-15, wherein the slider element is movable from an open position allowing access to the interior cavity of the housing and a closed position for securing the hoist assembly within the housing, and wherein the lift system comprises a sensor for detecting the open and/or closed position of the slider element.

~~17.~~8. The lift system of ~~any one of claims 2-16~~claim 2, wherein the housing has a seat adjoining an edge of the housing opening adjacent to the door, to secure the portion of the hoist assembly within the housing.

~~18. The lift system of claim 16, wherein the seat is configured as a ramp member.~~

~~19. The lift system of claim 16, wherein the ramp member is tapered, decreasing in height as it extends away from the housing opening and the door.~~

~~20. The lift system of any one of claims 16-18, wherein two of the ramp members are positioned on opposing sides of the seat for contacting opposing lower surfaces of the hoist assembly.~~

~~21.~~9 The lift system of ~~any of the claims 2-20~~claim 2, ~~further comprising a~~wherein the at least one counter support ~~for adjusting~~is configured to adjust the position of the receiving module so that ~~it~~the receiving module is substantially stable and/or level when the door is open and/or when receiving the portion of the hoist assembly within the housing.

~~22. The lift system of claim 20, wherein the receiving module comprises a flange removably received within the track and attached to the housing extending below the connector, and wherein the counter support is configured as a protrusion extending upwards from an upper surface of a distal end of the housing opposite of the door.~~

~~23. The lift system of claim 22, wherein, when the door is in the closed position, the protrusion is spaced apart from the lower surface of the track, and when the door is in the open position and/or the hoist is being loaded within the housing, the protrusion engages the lower surface of the track, substantially preventing rocking of the receiving module.~~

~~24. The lift system of claim 23, wherein when the protrusion engages opposite sides of the track.~~

~~25. The lift system of claim 21, wherein the receiving module comprises a flange removably received within the track and attached to the housing extending below the connector, and wherein the counter support is configured as a protrusion extending upwards from an upper surface of a distal end of the flange opposite of the door.~~

~~26. The lift system of claim 25, wherein, when the door is in the closed position, the protrusion is spaced apart from a surface of the track, and, when the door is in the open position and/or the hoist assembly is being loaded within the housing, the protrusion engages the lower surface of the track, substantially preventing rocking of the receiving module.~~

~~27. The lift system of claim 26, wherein when the protrusion engages opposite sides of the track.~~

~~28.~~10. The lift system of ~~any one of the claims 2-27~~clam 2, wherein the door further comprises a tab extending from a side of the door out beyond a side of the housing to facilitate opening and closing of the door.

~~29. The lift system of any one of the claims 2-28, wherein the door comprises a pair of tabs extending from opposing sides of the door out beyond the sides of the housing to facilitate opening and closing of the door.~~

~~30. The lift system of any one of the claims 2-29, wherein the system comprises a sensor for detecting an open and/or a closed position of the door with respect to the housing.~~

~~31. The lift system of any one of the claims 2-30, wherein the system comprises a sensor for detecting a locked or unlocked state of the receiving module with respect to the track.~~

~~32.~~11. The lift system of ~~any one of the claims 2-31~~claim 2, wherein the hoist assembly comprises a hoist connector and a motor unit extending therefrom.

~~33. The lift system of claim 22, wherein the hoist connector comprises a set of wheels that may be removably housed within the housing and rotatably engage with the track.~~

~~34. The lift system of claim 33, wherein the motor unit extends below the hoist connector and the housing.~~

~~35. The lift system of any one of claims 32-34, wherein the hoist assembly further comprises a strap extending from the motor unit and a spreader bar connected to the strap, wherein the spreader bar may be removably attached to a sling for supporting a person.~~

~~36.~~12. The lift system of ~~any one of the claims 2-35~~claim 2, wherein the receiving module is removably attached to the track, and wherein the receiving module comprises a plurality of wheel bearings movable along a length of the track.

~~37. The lift system of any of the claims 2-36, further comprising the track.~~

~~38.~~13. The lift system of ~~any of the claims 2-37~~claim 2, wherein the receiving module and the hoist assembly are electrically connected and ~~may be~~ powered by a single source and/or ~~may be~~ directed by a single controller.

~~39. A receiving module for a lift system, wherein the receiving module comprises: a housing for removably receiving a portion of a hoist assembly such that the hoist assembly is detachably coupled to the receiving module; and a pivotable door allowing access to an interior cavity of the housing and securing the portion of the hoist assembly within the housing, wherein the door is movable between a first position in which the door is closed, preventing access to the housing, and a second position in which the door is open.~~

~~40. A receiving module for a lift system of claim 39, further comprising the hoist assembly.~~

41. A receiving module for a lift system, wherein the receiving module comprises: a housing for removably receiving a portion of a hoist assembly such that the hoist assembly is detachably coupled to the housing; and a slider element comprising a retaining member traversing the width of the housing, wherein the slider element and retaining member are slidably movable in a vertical direction to allow access to the interior cavity of the housing and to secure the portion of the hoist assembly within the housing.

42. The receiving module of claim 41, wherein the housing comprises two slots on opposing sides of the housing for receiving the retaining member, wherein opposing ends of the retaining member extends through and beyond the sides of the housing, allowing a user to discern the position of the retaining member from the exterior of the receiving module.

43. The receiving module of claim 42, wherein the opposing ends of the retaining member each comprise a head having a width wider than the slots to secures the retaining member within the slots.

44. The receiving module of any one of claims 41-43, wherein the retaining member is configured as a rivet.

45. The receiving module of any one of claims 41-44, wherein the slider element further comprises a locking tab extending towards a door of the housing and engageable within the door to lock the door in the closed position.

46. The receiving module of claim 45, wherein the locking tab is friction fitted to a slot in the door to secure the door in the closed position.

47. The receiving module of any one of claims 41-46, wherein the slider element is slidably positioned by a user in a vertical direction by manually lifting and lowering one of the retaining member and locking tab.

48. The receiving module of any one of claims 41-47, wherein the slider element is movable from an open position allowing access to the interior cavity of the housing and a closed position for securing a hoist assembly within the housing, and wherein the lift system comprises a sensor for detecting the open and/or closed position of the slider element.

49. The receiving module of any one of claims 41-48, further comprising the hoist assembly.

50. A receiving module for a lift system, wherein the receiving module comprises: a housing for removably receiving a portion of a hoist assembly such that the hoist assembly is detachably coupled to the housing; a pivotable door allowing access to an interior cavity of the housing and securing the portion of the hoist assembly within the housing, wherein in the door is movable between a first position in which it is closed, preventing access to the housing and a second position in which the door is open; and a counter support for adjusting the position of the receiving module so that the receiving module is substantially level and/or stable when the door is open and/or when receiving the portion of the hoist assembly within the housing.

51. The receiving module of claim 50, further comprising the hoist assembly.

52. A receiving module for a lift system, wherein the receiving module comprises: a housing for removably receiving a portion of a hoist assembly such that the hoist assembly is detachably coupled to the housing; an opening allowing access to an interior cavity of the housing, wherein the housing has a floor comprising a ramp member adjoining an edge of the housing opening to secure a portion of the hoist assembly within the housing.

53. The receiving module of claim 50 or 52, further comprising the hoist assembly.