Claims

1. A method for handling baggage within an airport, comprising:

loading, by a device, sorted bags into a vehicle at a first place, the vehicle being adapted to transport passengers from the first place to a second place;

transporting, by the vehicle, the bags with the passengers from the first place to the second place;

wherein the loading comprises putting the sorted bags into one or more containers, and conveying the one or more containers into one or more baggage carriages of the vehicle which are separated from one or more passenger carriages of the vehicle.

~~2. The method according to claim 1, wherein the loading comprises:~~

~~putting the sorted bags into one or more containers; and~~

~~conveying the one or more containers into one or more baggage carriages of the vehicle which are separated from passenger carriages of the vehicle.~~

2~~3~~. The method according to claim ~~2~~1, wherein the conveying comprises:

enabling the containers waiting at the first place opposite one or more loading doors corresponding to the one or more baggage carriages; and

transferring, when the vehicle arrives at the first place, the containers through the loading doors into the one or more baggage carriages during the boarding of the passengers into the passenger carriages of the vehicle.

3~~4~~. The method according to claim ~~2~~1, wherein the conveying is implemented with the cooperation of a conveyor equipped within each of the baggage carriages.

4~~5~~. The method according to claim ~~2~~1, further comprising:

automatically unloading the one or more containers off the one or more baggage carriages of the vehicle at the second place for sortation.

5~~6~~. The method according to claim ~~5~~4, wherein the container is an aircraft unit loading device (ULD).

6~~7~~. The method according to claim ~~6~~5, further comprising:

transferring the ULD unloaded from the vehicle into an aircraft after the sortation.

7~~8~~. The method according to claim ~~7~~6, wherein the vehicle is an Automated People Mover.

8~~9~~. The method according to any one of claims 1-~~8~~7, wherein

the first place is one terminal and the second place is another terminal; or

the first place is one satellite and the second place is another satellite; or

the first place is a terminal and the second place is a satellite; or

the first place is a satellite and the second place is a terminal.

9~~10~~. A baggage handling system in an airport, comprising:

a loading device, adapted to load sorted bags into a vehicle at a first place, the vehicle being adapted to transport passengers from the first place to a second place;

wherein the loading device comprises a sub-loading apparatus, adapted to put the sorted bags into one or more containers; and a first conveying device, adapted to transfer the one or more containers onto one or more baggage carriages of the vehicle that are separated from one or more passenger carriages of the vehicle;

wherein the bags are transported with the passengers by the vehicle from the first place to the second place.

~~11. The baggage handling system according to claim 10, wherein the loading device comprises:~~

~~a sub-loading apparatus, adapted to put the sorted bags into one or more containers; and~~

~~a first conveying device, adapted to transfer the one or more containers onto one or more baggage carriages of the vehicle that are separated from the passengers.~~

10~~12~~. The baggage handling system according to claim ~~1~~9, wherein

the first conveying device is adapted to enable the containers waiting at the first place opposite one or more loading doors corresponding to the one or more baggage carriages, and transfer, when the vehicle arrives at the first place, the containers through the loading doors into the one or more baggage carriages during boarding of the passengers into the vehicle.

11~~13~~. The baggage handling system according to claim ~~1~~210, further comprising:

an unloading device, preferably as a conveyor, adapted to automatically transfer the containers off the one or more baggage carriages for sortation.

12~~14~~. The baggage handling system according to claim ~~1~~311, wherein the container is an aircraft unit loading device (ULD).

13~~15~~. The baggage handling system according to claim ~~1~~311, further comprising:

a transfer device, adapted to transfer the unloaded containers to one of an aircraft, a baggage reclaim and a metro station in the airport, after the sortation.

14~~16~~. The baggage handling system according to any of claims ~~10-15~~ 9-13, wherein the vehicle is a train, an automated people mover (APM) or a bus.

15~~17~~. A transfer system in an airport, comprising:

a vehicle, adapted to transport passengers and bags together from a first place to a second place in the airport; and

the baggage handling system according to any one of claims ~~10-15~~ 9-13.

16~~18~~. A transport system, comprising:

an automated people mover comprising one or more baggage carriages adapted to carry bags and one or more separated passenger carriages adapted to carry passengers ~~and one or more baggage carriages adapted to carry bags~~;

wherein each of the one or more baggage carriages is equipped with a conveyor.

17~~19~~. The transport system according to claim ~~18~~16, further comprising: a concrete track laid from a first place to a second place.

18~~20~~. The transport system according to claim ~~19~~17, wherein each of the first place and the second place is one of a terminal within an airport, a satellite within an airport and a ferry port near the airport.