CLAIMS

1. Automatic locker device (2) configured for a distribution of goods (7, 7'), and comprising:

at least one storage area (4) for the storage of loads (9, 9') comprising or formed by said goods,

at least one retrieval point (3) for the retrieval of said goods, and

handling device (10) configured to shift any one of the loads from said at least one storage area to said at least one retrieval point,

characterized in that said at least one retrieval point comprises a box (11) having a cuboid shape comprising:

three closed lateral faces,

one open lateral face, comprising a lateral aperture oriented towards the exterior of said automatic locker device,

one closed upper face, and

one open bottom face comprising a bottom aperture,

and in that said handling device is furthermore configured to carry out both of the following two types of operation to vertically shift a given load towards or through the bottom aperture of the open bottom face, up to a height making it possible, through the lateral aperture of the open lateral face, to make available at least one of the goods comprised in or forming said load:

a first type of operation, shifting a first type of load comprising a tray and at least one item of said goods supported by said tray, and in which said handling device is configured to convey, when vertically shifting a load of said first type towards or through said bottom aperture, a bottom of said at least one item of said goods supported by the tray to a bottom of the lateral aperture of the open lateral face; and

a second type of operation, shifting a second type of load comprising a container and at least one item of said goods contained in said container, and in which said handling device is configured to convey, when vertically shifting a load of said second type towards or through said bottom aperture, a top of said container to a level of a bottom of the lateral aperture of the open lateral face.

2. Automatic locker device according to claim 1, characterized in that said handling device is configured to carry out the following supplemental type of operation:

a third type of operation, shifting a third type of load which is one of said items of goods, and in which said handling device is configured to convey, when vertically shifting a load of said third type towards or through said bottom aperture, a bottom of said load to a bottom of the lateral aperture of the open lateral face.

3. Automatic locker device according to claim 1 or 2, characterized in that the handling device (10) comprises a stacker crane type or mobile robot type device carrying out the following movements of said load: shifting from said at least one storage area to said at least one retrieval point and vertical shifting towards or through the bottom aperture of the open bottom face.

4. Automatic locker device according to any one of the claims 1 to 3, characterized in that it comprises:

- a door (12), configured to close the lateral aperture of the open lateral face; and
- means of locking/unlocking said door, configured to unlock said door when said load is shifted vertically up to said height.

5. Automatic locker device according to any one of the claims 1 to 4, characterized in that it is moreover configured for an insertion of incoming goods through said at least one retrieval point, and in that said handling device is moreover configured to:

- receive at least one of said incoming goods, through the lateral aperture of the open lateral face, and form an incoming load comprising or formed by said at least one piece of incoming goods;
- vertically shift said incoming load from or through the bottom aperture of the open bottom face; and
- shift said incoming load from said at least one retrieval point towards said at least one storage area.