Claims

1. Store, in particular a store arrangement, in particular a store for containers,

wherein the store has identical modules which are arranged so as to be stacked one on the other, each of the modules having a base plate, the base plate having a travel surface that allows a vehicle to be moved on the travel surface,

wherein a maximum of n modules are arranged so as to be stacked one above the other, in particular therefore the store has n floors which are formed by modules,

wherein the store has unloading regions which comprise less than n modules which are stacked one above the other, in particular therefore have a height, in particular a floor height, of less than n modules which are stacked one above the other,

wherein n is a whole number greater than 1, and

wherein each of the unloading regions is associated with one of the n floors to enable storage or removal of the containers.

2. Store according to claim 1, characterised in that

the store can be extended in a vertical direction and in all horizontal directions by adding and connecting additional modules.

3. Store according to at least one of the preceding claims, characterised in that

the quantity of floor heights of the unloading regions of the store has the whole numbers from n_min to n-1 or to n,

in particular wherein the floor height, in particular stack height, corresponds to the number of modules which are stacked one above the other in each case,

in particular wherein n_min is a whole number which is smaller than n, in particular wherein n_min corresponds to the floor height which is arranged in a recessed manner in the floor.

4. Store according to at least one of the preceding claims, characterised in that

the respective floor height of the unloading regions decreases in a monotonous manner from an unloading region of maximum height as the distance increases, in particular in a horizontal direction,

in particular in a horizontal longitudinal direction and in a horizontal transverse direction.

5. Store according to at least one of the preceding claims, characterised in that

the respective module, in particular the uppermost of the modules which are stacked one above the other, is open in an upward direction, in particular therefore can be filled from the top with a container, in particular which can be deposited in this instance on a support portion.

6. Store according to at least one of the preceding claims, characterised in that

the module in each case has ~~a base plate and~~ columns which are secured ~~there~~to the base plate and which in particular are each of the same length, in particular double T-carriers, in particular with an additional module being able to be placed on the columns.

7. Store according to claim 6 when dependent on claim 5, characterised in that

the container which is stored on the support portion is spaced apart from the base plate in such a manner that thea vehicle can be driven at least partially below the container,

in particular wherein the vehicle has a lifting mechanism by means of which the container is arranged so as to be raised from the support portion when the lifting mechanism is deployed.

8. Store according to claim 7, characterised in that

the vehicle together with the container received on the lifting mechanism of the vehicle can be moved on the base plate of the module in a horizontal longitudinal direction and/or transverse direction through the module.

9. Store according to at least one of claims 7 and 8, characterised in that

a primary conductor for inductive power supply of the vehicle is arranged in the base plate,

in particular wherein the vehicle has at the lower side thereof a secondary winding which can be coupled to the primary conductor in an inductive manner so that energy can be transmitted,

in particular wherein a capacitor is connected in series or in parallel to the secondary winding in such a manner that the associated resonance frequency substantially corresponds to the frequency of the alternating current which has been impressed into the primary conductor.

10. Store according to claim 9, characterised in that

the module has a primary conductor portion which is spaced apart from the base plate for inductive power supply of a consumer, in particular a cooling unit, of a container,

in particular wherein the container has at the side thereof a secondary coil which can be coupled in an inductive manner to the primary conductor portion so that energy can be transmitted,

in particular wherein a capacitor is connected in series or in parallel to the secondary coil in such a manner that the associated resonance frequency substantially corresponds to the frequency of the alternating current which has been impressed into the primary conductor,

in particular wherein the secondary coil current of a voltage adapter unit is supplied in order to supply the consumer with electrical power.

11. Store according to at least one of the preceding claims, characterised in that

there is arranged at the upper end region of the module, in particular at the upper end region of a column, a plug type connector portion and, at the lower end region of the module, in particular at the lower end region of a column, a corresponding plug type mating connector portion,

in particular in such a manner that, when the modules are stacked one on the other, the plug type mating connector portion is connected in a plugged manner in the plug type connector portion.

12. Store according to at least one of the preceding claims, characterised in that

two adjacent modules are connected to each other in a positive-locking manner in each case, in particular there is arranged at a respective side of the module a groove, in particular a groove which is formed in a dovetail-like manner, so that a wedge can be introduced into two grooves which are adjacent to each other.

13. Store according to at least one of claims 9 and 10 and claims 11 and 12 when dependent on claim 9 or 10, characterised in that

the primary conductor comprises in the base plate portions which extend in the longitudinal direction and transverse direction.

14. Store according to at least one of claims 6 to 10 and 13 and claims 11 and 12 when dependent on claim 9 or 10, characterised in that

a respective support portion is arranged on the base plate.

15. Store according to at least one of the preceding claims, characterised in that

the store has a covering plate which has a machine compartment, an energy store, a wind generator and/or a solar generator,

in particular wherein the energy store has an accumulator or a water tank,

in particular wherein a thermo element, a thermoelectric converter, a Peltier element, a generator which is driven by a Stirling motor and/or a water power generator are provided in order to obtain electrical energy from the water tank,

in particular wherein solar thermal converters supply heated water to the water tank in the event of solar irradiation.

16. Store according to at least one of the preceding claims, characterised in that

the store has in a lift region an additional module which has in a base plate thereof a recess which is so large that a container can be moved through the recess by means of a lifting mechanism,

in particular wherein the module has one or more door elements, in particular a rolling door and/or a sliding door.