Claims

1. A transport container system having at least one container that has a base, a casing and a lid (4), having inner wall elements that are arranged on the walls of the container on the inner faces thereof and may be removed from the container and inserted into the container,
wherein each inner wall element has predetermined dimensions that are adapted to the associated inner face of the container,
characterized in that
at least in the case of some of the inner wall elements a plurality of versions having at least substantially the same dimensions are part of the transport container system,
an inner wall element in one of the versions may optionally be inserted in the container at the position provided for the relevant inner wall element,
in a first version the inner wall element is a latent heat storage element or another heat storage element or a vacuum insulation panel, and in a second version the inner wall element is a place-holder element having less thermal insulation effect than a vacuum insulation panel, or
in a first version the inner wall element is a latent heat storage element or another heat storage element, in a second version the inner wall element is a vacuum insulation panel and in a third version the inner wall element is a place-holder element having less thermal insulation effect than a vacuum insulation panel.

2. The transport container system as claimed in claim 1, characterized in that
inner wall elements are arranged in the container at all inner faces, where appropriate with the exception of small gaps.

3. The transport container system as claimed in claim 1 or 2, characterized in that
the base and the casing of the container are fixedly connected to one another or are made in one piece with one another and the upwardly open container may be closed by the lid.

4. The transport container system as claimed in one of claims 1 to 3, characterized in that
the container has an outer container and an inner container that is fitted inside the outer container, and
the inner container for its part comprises individual inner container wall elements that may be removed and inserted individually.

5. The transport container system as claimed in claim 4, characterized in that
the inner container wall elements take the form of heat insulation elements,
wherein, preferably, at least two versions of inner container wall elements are provided, namely at least one version as an inner container vacuum insulation panel and a further version as a place-holder element having less thermal insulation than a vacuum insulation panel.

6. The transport container system as claimed in one of claims 1 to 5, characterized in that
the inner wall elements and/or the inner container wall elements of different versions have at least approximately matching properties from a mechanical point of view.

7. The transport container system as claimed in one of claims 1 to 6, characterized in that
the inner wall elements and/or inner container wall elements are of plate-like construction, and are

preferably beveled to fit one another at the mutually facing edges, in particular at an angle of 45°.

8. The transport container system as claimed in one of claims 1 to 7, characterized in that
the inner wall elements or inner container wall elements that take the form of place-holder elements are made from plastics, in particular foam plastic, from paper/cardboard, from wood, in particular wood products, or from lightweight building material.

9. The transport container system as claimed in one of claims 1 to 8, characterized in that
at least one of the inner wall elements and/or inner container wall elements that take the form of place-holder elements has at least one cutout for receiving another type of functional element.

10. The transport container system as claimed in one of claims 1 to 7, characterized in that
at least one of the inner wall elements and/or inner container wall elements that take the form of a place-holder element is made from a material that stores moisture and/or regulates moisture or is provided with a material of this kind.

11. A method for equipping a container of a transport container system,
wherein the container has a base, a casing and a lid,
wherein inner wall elements may be arranged on the walls of the container on the inner faces thereof,
wherein each inner wall element has predetermined dimensions that are adapted to the associated inner face of the container,
wherein the inner wall elements may be inserted into the container and removed from the container,
characterized by the following method steps:
1. Providing a selection of inner wall elements for the container and in so doing providing at least some

inner wall elements in at least two versions, namely a first version as a latent heat storage element or another heat storage element or a vacuum insulation panel, and a second version as a thermally insulating place-holder element having less thermal insulation than a vacuum insulation panel.

2. Selecting all the inner wall elements for the container from the inner wall elements that were provided in method step 1.

3. Inserting the inner wall elements in the respectively selected version, which were selected in method step 2., inside the container at the provided positions.

12. The method as claimed in claim 11, characterized in that the inner wall elements in method step 1. are provided in three versions, namely as a latent heat storage element or another heat storage element in a first version, as a vacuum insulation panel in a second version and as a thermally insulating place-holder element having less thermal insulation effect than a vacuum insulation panel in a third version, or
in that the inner wall elements in method step 1. are provided in four versions, namely as a latent heat storage element in a first version, as another heat storage element in a second version, as a vacuum insulation panel in a third version and as a thermally insulating place-holder element having less thermal insulation effect than a vacuum insulation panel in a fourth version.

13. The method as claimed in claim 11 or 12, characterized by the following further method steps:

4. Providing a selection of inner container wall elements for an inner container that may be fitted into an outer container of the container.

5. Selecting all the inner container wall elements for the inner container from the inner container wall elements that were provided in method step 4.

6. Fitting the inner container wall elements that were selected in method step 5. into the outer container at the provided positions.

14. The method as claimed in claim 13, characterized in that inner container wall elements that take the form of thermal insulation elements are provided in method step 1., in which case the inner container wall elements are preferably provided in at least two versions, namely as a vacuum insulation panel in at least one version and as a thermally insulating place-holder element having less thermal insulation effect than a vacuum insulation panel in a second version.

15. The method as claimed in one of claims 11 to 14, characterized
in that the inner wall elements or inner container wall elements that take the form of thermally insulating place-holder elements are provided, for their part, in different versions, namely a version made from plastics, in particular foam plastic, and/or a version made from paper/cardboard and/or a version made from wood, in particular wood products, and/or a version made from lightweight building material.