Claims

1. A vestibule storage system comprising a storage arrangement which is hinge-mounted on a vestibule sidewall of a vestibule, wherein the storage arrangement comprises a storage assembly for article storage and a wall-mount assembly mounted on the vestibule sidewall and comprising a hinged connection portion having a hinge axis, wherein the storage assembly is mounted on the wall-mount assembly and rotatable relative to the vestibule sidewall between a first position when the storage assembly forms an obstruction or a partial obstruction at the vestibule and a second position when the storage assembly is at an angle to the vestibule to permit un-obstructed passage through the vestibule, wherein, in the first position, the storage arrangement is accommodated inside the vestibule.

2. The storage system according to Claim 1, further comprising a door which is hinged mounted on the vestibule sidewall and having a door hinge portion and a door hinge axis, wherein the storage assembly is rotationally coupled to the door and is to follow the door to rotate about the door hinge axis during opening and closing movements between the first position and the second position.

3. The storage system according to Claim 2, wherein the hinge axis of the hinge connection portion of the wall-mount assembly is a first hinge axis on the vestibule sidewall and the wall-mount assembly is rotatable about the first hinge axis, wherein the door has the door hinge axis and the door is rotatable about the door hinge axis which is a second hinge axis on the vestibule sidewall; wherein the first hinge axis and the second hinge axis are parallel and spaced apart; and wherein the storage assembly is to rotate about the first hinge axis and the second hinge axis during opening and closing movements.

4. The storage system according to Claims 2 or 3, wherein the storage assembly and the door are rotationally coupled such that rotation of the door brings about rotation of the storage assembly about the door hinge axis, and wherein the storage assembly and the door are non-weight coupled such that the door hinge portion is to bear no weight or minimal weight of the storage assembly, and the weight of the storage assembly is transferred to the vestibule sidewall by the wall-mount assembly.

5. The storage system according to Claim 4, wherein rotational coupling between the storage assembly and the door is releasable, and wherein the storage assembly is to rotate only about the second hinge axis during opening and closing movements

when the rotational coupling is released.

6. The storage system according to any preceding Claims, wherein the wall-mount assembly comprises a load-bearing portion and the storage assembly is suspended on the load-bearing portion, and wherein the hinged connection portion connects the load-bearing portion to the vestibule sidewall and bears weight of the load-bearing portion and of the storage assembly; and wherein the load-bearing portion is expandable and retractable radially with respect to the hinge axis of the hinge connection portion.

7. A storage assembly of a storage arrangement comprising a storage apparatus and a wall-mount apparatus for attaching the storage apparatus to a load-bearing structure; wherein the storage apparatus comprises a storage compartment or a plurality of storage compartments formed on a rigid mounting apparatus; wherein the wall-mount apparatus comprises a wall-mount portion for mounting on the load-bearing structure, a weight-bearing portion for carrying or supporting the storage apparatus when the wall-mount portion is mounted on the load-bearing structure, and a hinged connection portion interconnecting the wall-mount portion and the weight-bearing portion ; and wherein the weight-bearing portion is pivotally movable and radially extendable relative to the wall-mount portion about a hinge axis of the hinged connection portion, the hinge axis defining an axial direction and a radial direction orthogonal to the axial direction.

8. The storage assembly according to Claim 7, wherein the storage apparatus is mounted on the weight-bearing portion of the wall-mount apparatus, and wherein the storage apparatus is pivotally movable relative to the wall-mount portion about the hinge axis of the hinged connection portion and is movable relative to the hinge axis of the hinged connection portion in the radial direction which is orthogonal to the hinge axis.

9. The storage assembly according to Claim 8, wherein the storage apparatus is mounted on the weight-bearing portion by a rail-and-channel arrangement and the storage apparatus is slidable on the wall-mount portion in the radial direction relative to the hinge axis of the hinged connection portion.

10. The storage assembly according to any of Claims 7 to 9, wherein the mounting apparatus of the storage apparatus comprises a rigid mounting frame comprising a plurality of elongate support components, wherein each elongate support component

extends laterally in the radial direction and the elongate support components are distributed along the axial direction at a plurality of axial levels; wherein the weight-bearing portion of the wall-mount apparatus comprises a plurality of elongate weight-bearing components, wherein each elongate weight-bearing component extends laterally in the radial direction and the elongate weight-bearing components are distributed along the axial direction and at axial levels corresponding to the axial levels of the elongate support components.

11. The storage assembly according to any of Claims 7 to 10, wherein the weight-bearing portion comprises an expansion device to facilitate radial extension and radial retraction or shortening of the weight-bearing portion.

12. The storage assembly according to Claim 11, wherein the expansion device comprises a double-hinged hinge connector portion comprising a first hinged portion which is in hinged connection with the connection portion and a second hinge portion which is distal to the connection portion and which is in hinged connection with the first hinged portion; and wherein the first hinged portion and the second hinged portion of the weight-bearing portion and the hinged connection portion have hinge axes which are parallel and spaced apart.

13. The storage assembly according to Claim 12, wherein the weight-bearing portion comprises an axial support member, the axial support member extending axially and joining the double-hinged hinge portion to provide distributed axial support to the weight-bearing portion.

14. The storage assembly according to Claim 11, wherein each elongate weight-bearing component of the wall-mount apparatus comprises a double-hinged hinge portion to facilitate radial extension and radial retraction or shortening of the weight-bearing portion ; wherein the double-hinged hinge portion comprises a first hinged portion which is in hinged connection with the connection portion and a second hinge portion which is distal to the connection portion and which is in hinged connection with the first hinged portion; and wherein the first hinged portion and the second hinged portion of the weight-bearing portion and the hinged connection portion have hinge axes which are parallel and spaced apart; and wherein the weight-bearing portion comprises an axial support member which extends axially and joins the second hinge portions of the plurality of elongate weight-bearing components to provide distributed support to the weight-bearing portion.