CLAIMS

1. An enclosing structure for an active area of a transportation carrier mobile carrying platform, characterized in that, the enclosing structure comprising a rack (1); a housing (2) provided on the rack (1), the housing (2) having a first housing part (21) and a second housing part (22) oppositely disposed with respect to the first housing part (1); an enclosing member (4) operatively connected to a mobile carrying platform (3); and supporting members (50) provided on the rack (1) for supporting the enclosing member (4) in a movement direction of the mobile carrying platform (3), a spacing between the first housing part (21) and the second housing part (22) form the active area of the mobile carrying platform (3).

2. The enclosing structure for an active area of a transportation carrier mobile carrying platform according to claim 1, characterized in that, the enclosing member (4) comprising a first enclosing member (431) and a second enclosing member (432); one end of the first enclosing member (431) and one end of the second enclosing member (432) are connected to a corresponding side of the mobile carrying platform (3), an another end of the first enclosing member (431) and an another end of the second enclosing member (432) are connected to each other, to form a closed loop between the first enclosing member (431), the second enclosing member (432) and the mobile carrying platform (3).

3. The enclosing structure for an active area of a transportation carrier mobile carrying platform according to claim 1, characterized in that, the enclosing member (4) is an extendable and retractable member having a first end connected to the mobile carrying platform (3) and an another end connected to the supporting member (50), the supporting member (50) is a connecting column (51) fixedly connected to the rack (1).

4. The enclosing structure for an active area of a transportation carrier mobile carrying platform according to claim 1, characterized in that, the supporting member (50) is a winding roller (52) rotatably connected to the rack (1), the enclosing

member (4) is a closed belt having one end connected to the mobile carrying platform (3) and woundable around the winding roller (52).

5. The enclosing structure for an active area of a transportation carrier mobile carrying platform according to claim 1, characterized in that, the transportation carrier is a stairway conveying carrier configured for an inclined upward and downward transportation.

6. The enclosing structure for an active area of a transportation carrier mobile carrying platform according to claim 2, characterized in that, the enclosing structure further comprises a first guide assembly for guiding the movement of the first enclosing member (431), the first guide assembly includes a pressing member for exerting a downward pressure against the first enclosing member (431).

7. The enclosing structure for an active area of a transportation carrier mobile carrying platform according to claim 6, characterized in that, the supporting member (50) comprises a first supporting member (501) disposed corresponding to the first enclosing member (431) and a second supporting member (502) disposed corresponding to the second enclosing member (432), the pressing member is disposed on the first supporting member (501).

8. The enclosing structure for an active area of a transportation carrier mobile carrying platform according to claim 2, characterized in that, the enclosing structure further comprises a second guide assembly for guiding the movement of the second enclosing member (432), the second guide assembly includes a bearing member for generating an upward bearing force toward the second enclosing member (432).

9. The enclosing structure for an active area of a transportation carrier mobile carrying platform according to claim 1, characterized in that, the enclosing member comprising a plurality of connecting blocks (441) and a plurality of strip members (442) juxtaposedly arranged in parallel, every two of the plurality of connecting

blocks (441) being rotatably connected to adjacent two of the plurality of strip members (442).

10. The enclosing structure for an active area of a transportation carrier mobile carrying platform according to claim 2, characterized in that, the first enclosing member (431) comprising a plurality of connecting blocks (441) and a plurality of strip members (442) juxtaposedly arranged in parallel, every two of the plurality of connecting blocks (441) being rotatably connected to adjacent two of the plurality of strip members (442).

11. The enclosing structure for an active area of a transportation carrier mobile carrying platform according to claim 10, further comprising resilient members connected between said another end of the first enclosing member (431) and said another end of the second enclosing member (432).

12. The enclosing structure for an active area of a transportation carrier mobile carrying platform according to claim 9 or claim 10, characterized in that, the plurality of strip members (442) being arranged in a direction perpendicular to the movement direction of the mobile carrying platform (3).

13. An enclosing member, characterized in that, said enclosing member being suitable for use in an enclosing structure transportation carrier according to any one of the claims 1 to 12

14. A transportation carrier, characterized in that, the transportation carrier comprises an enclosing structure according to any one of claims 1 to 12.

15. An enclosing member comprising:

a first enclosing member (431);

a second enclosing member (432);

one end of the first enclosing member (431) and one end of the second enclosing member (432) being connected to a corresponding side of a mobile carrying platform (3),

an another end of the first enclosing member (431) and an another end of the second enclosing member (432) being connected to each other to form a closed loop between the first enclosing member (431), the second enclosing member (432) and the mobile carrying platform (3).

16. The enclosing member according to claim 15, wherein the first enclosing member (431) comprises a plurality of connecting blocks (441) and a plurality of strip members (442) juxtaposedly arranged in parallel; every two of the plurality of connecting blocks (441) being positioned between adjacent two of the plurality of strip members (442), each of the two connecting blocks (441) having two ends rotatably connected to the adjacent two of the plurality of strip members (442).

17. The enclosing member according to claim 16, further comprising resilient members connected between said another end of the first enclosing member (431) and said another end of the second enclosing member (432).

18. The enclosing member according to claim 16 or claim 17, wherein the plurality of strip members (442) being arranged in a direction perpendicular to a movement direction of the mobile carrying platform (3).

19. The enclosing member according to claim 15, wherein the second enclosing member (432) comprises two connecting members (441) and a plurality of strip members (442) juxtaposedly arranged in parallel; each connecting member (441) being connected to the plurality of strip members (442).

20. The enclosing member according to claim 19, wherein the plurality of strip members (442) being arranged in a direction inclined to a movement direction of the mobile carrying platform (3).