Amended Claims

1. A rubber pad device for storage and transportation of prefabricated elements, comprising a cuboid-shaped pad body (1),

characterized in that, said pad body (1) comprises a framework structure (11) and a hollow structure (12) for weight reduction, wherein both ends of the pad body (1) are provided a dovetail wedge (2) and a dovetail slot (3), respectively, for connecting a plurality of pad bodies in an end-to-end manner, and said pad body (1) with the dovetail wedge (2) and the dovetail slot (3) provided respectively at the ends thereof are manufactured as an integrated part through injection molding with plastic materials,

the hollow structure (12) of said pad body (1) comprises a plurality of cylindrical spaces or cubic spaces alternatively arranged along the longitudinal direction of the pad body, and

said hollow structure (12) is arranged along the vertical direction and the horizontal direction respectively, wherein the vertical hollow structure (121) and the horizontal hollow structure (122) are alternatively arranged along the longitudinal direction of the pad body (1).

~~2. The rubber pad device for storage and transportation of prefabricated elements according to claim 1, characterized in that, the hollow structure (12) of said pad body (1) comprises a plurality of cylindrical spaces or cubic spaces alternatively arranged along the longitudinal direction of the pad body (1).~~

~~3. The rubber pad device for storage and transportation of prefabricated elements according to claim 2, characterized in that, said hollow structure (12) is arranged along the vertical direction and the horizontal direction respectively, wherein the vertical hollow structure (121) and the horizontal hollow structure (122) are alternatively arranged along the longitudinal direction of the pad body (1).~~

~~4. The rubber pad device for storage and transportation of prefabricated elements according to claim 1, characterized in that, the framework structure (11) of said pad body (1) comprises a main frame (16) arranged around the framework structure (11),~~

~~and a plurality of vertical ribs (13) and a plurality of slanting ribs (15) located within said main frame (16), wherein the plurality of vertical ribs (13) are arranged along the longitudinal direction of the pad body (1) and in parallel with the width direction of the pad body (1), while each diagonal rib (15) connects two adjacent vertical ribs (13) to each other along the diagonal direction, the space surrounded by the main frame (16), the vertical ribs (13) and the slanting ribs (15) forming said hollow structure (12).~~

2~~5~~. The rubber pad device for storage and transportation of prefabricated elements according to claim 1~~any one of claims 1 to 4~~, characterized in that, said hollow structure (12) runs through the top and bottom surfaces of said pad body (1), or runs through the front and back side walls of said pad body (1).

3~~6~~. The rubber pad device for storage and transportation of prefabricated elements according to claim 1~~any one of claims 1 to 4~~, characterized in that, two dovetail wedges (2) are provided at one end of said pad body (1) and two dovetail slots (3) are provided at the other end thereof, wherein the dovetail wedges (2) and the dovetail slots (3) respectively provided at the ends of two adjacent pad bodies (1) match with each other in an manner of convex-concave engagement.

4~~7~~. The rubber pad device for storage and transportation of prefabricated elements according to claim 1~~any one of claims 1 to 4~~, characterized in that, the surface of said pad body (1) is antiskid surface having antiskid patterns (17) in various directions.

5~~8~~. The rubber pad device for storage and transportation of prefabricated elements according to claim 1~~any one of claims 1 to 4~~, characterized in that, said pad body (1) has a length no more than 600mm, and a cross-sectional dimension no more than 100mm × 100mm.

6~~9~~. The rubber pad device for storage and transportation of prefabricated elements according to claim 1~~any one of claims 1 to 4~~, characterized in that, said pad body (1) is made of PP or PE materials.