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(54) Title of Invention
TELESCOPIC INSTANT FRAME ASSEMBLED BUILDING STRUCTURE

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Petitioner's Exhibit 1004

SPECIFICATION



1. Title of Invention

TELESCOPIC INSTANT FRAME ASSEMBLED BUILDING STRUCTURE

2. Scope of Utility Model Registration Claims

What is claimed is:

1. A telescopic instant frame assembled building structure capable of quickly extending and contracting, configured comprising: a plurality of main support columns, side bars, roof support bars, a plurality of upper fixed support bar shaft bodies, lower moving support bar shaft bodies, and a roof bearing beam shaft, wherein the main support column supports the overall structure, the side bars cross or align to link between both main support columns, and the roof is assembled by a linking or supporting method;
a rooftop portion in which the side bars, the rooftop support bars, and push-up bars on the main body link with each other and all screw tightened portions of endpoints are rotatable at an angle, thereby configuring a building and enabling extension or contraction is a

special feature of the present invention; the bifold roof support bars link with each other in a single iron groove, and the support bars are limited to only 180 degrees of internal angle rotation, both ends of a push-up bar are respectively provided on a main column and a rooftop support bar, forming a straight line to both bars, the extension and contraction of the building adds to the push up of the rooftop support bars, and a corner folding and sloped roof design of the present invention, which is capable of maintaining the slope of the rooftop, can form the rooftop and push up radially without requiring any other vertical support bar elements.

2. The telescopic instant frame assembled building structure according to claim 1 of the Scope of Utility Model Registration Claims, wherein a moving insertion box stop hole is provided on an upper end of the main support column, a similar stop hole is separately provided at a suitable position on a lower end, comprising: using a telescopic support column stop hole in the hollow core of the main support column, which, when the building is unfolded, uses a moving insertion pin to bite into the lower end of the lower moving

support bar shaft body, fixes the pushed open side bars, and is matched with the lower end stop hole to form a telescopic support column and cause the telescopic support column to extend from within the main support column; and using a stop hole having the moving insertion pin inserted therein when lifted to also fix the telescopic support column.

3. The telescopic instant frame assembled building structure according to claim 1 of the Scope of Utility Model Registration Claims, wherein side bar portions assemble alternately with a crossing method or aligning method, the height of the location of an entrance and exit of the tent or building structure is suitably raised to make entrance and exit of persons convenient, and as needed, it is assembled by mixing the crossing method or the aligning method, and the location of the entrance where the side bars are raised is raised, ranging from on a single side to all four sides together.

3. Detailed Description of the Invention

The present invention relates to a telescopic building structure capable of instantaneously assembling and folding a frame, and is particularly configured to be capable of using side bars, rooftop support bars, and the like mutually linked together with a shaft body and moving joint

method to be configured to be angle rotatable at each joint, and further configured such that the building structure is capable of quickly extending and contracting; and controlled with the length of the rooftop support bars and push-up bars, configured to be capable of forming a naturally sloped roof without requiring any vertical support bars in the center thereof when they form the building structure and are extended and configured to separately use a clever side bar support conversion method to be capable of raising the height of the location of the entrance/exit, making entrance and exit of persons convenient, and making greater use of the space at the location of the entrance.

Accompanying the quick changes of society, the pace of life grows more tense day by day, leisure time has gradually become decidedly emphasized, and going outdoors or to the green, growing fields is a leisure activity enjoyed by persons, yet equipment is not prepared for outdoors activities as with indoor activities, and thus the present invention provides a telescopic

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