New Claims

1. An energy-saving method by using windows, which adjusts the sunlight coming into a room by changing the position of a window main body, the window main body being extended outside of the wall in winter so that the space of the window illuminated by sunlight is turned into an indoor space for the purpose of lightening and warming, while the window main body being retracted inside of the wall in summer so that the space of the window illuminated by strong sunlight is turned into an outdoor space for the purpose of shadowing and avoiding sunlight exposure; the energy-saving window comprises a window frame and a window main body, the window frame being provided thereon with vertical shafts or guide rails, the vertical shafts or guide rails being in fixed connection with the window frame while in movable connection with the window main body, the window main body rotating via the vertical shafts or moving via the guide rails to change the position.

2. The energy-saving method by using windows according to claim 1, characterized in that the vertical shafts are located in the middle of the window frame, and the window main body is of an arched structure formed of a polyhedron, with upper and lower end faces of the window main body being rotatably connected with the vertical shafts.

3. The energy-saving method by using windows according to claim 2, characterized in that the window main body is drum-shaped or trapezoidal form.

4. The energy-saving method by using windows according to claim 2 or 3, characterized in that there are one to six window main bodies.

5. The energy-saving method by using windows according to claim 4, characterized in that each of the vertical shafts is of a half-shaft structure fixed on the upper and lower end faces of the window frame and extended outward.

6. The energy-saving method by using windows according to claim 1, characterized in that the window main body is of a planar structure, and the guide rail is perpendicular to window main body.

7. The energy-saving method by using windows according to claim 1, characterized in that the window main body is of a drum-shaped structure, the planar window main body in the middle of the drum-shape being corresponding to the guide rails vertical to the window main body, while the arc window main body on two sides of the drum-shape being fitted with the arc guide rails.

8. The energy-saving method by using windows according to claim 1, characterized in that the window main body is of a trapezoidal structure, the planar window main body in the middle of the trapezoid being fitted with the guide rails vertical to the window main body, vertical shafts being provided on the insides of two ends of the window frame, respectively, two side surfaces of the trapezoidal window main body being hinged with the vertical shafts.

9. The energy-saving method by using windows according to claim 6, 7 or 8, characterized in that there are one to six window main bodies.