

ABSTRACT

A rail vehicle, a driver's cabin and a composite aluminum plate assembly. The composite aluminum plate assembly comprises at least two aluminum honeycomb profile units (6); each aluminum honeycomb profile unit (6) comprises a support component, an interlayer aluminum honeycomb (11), a first aluminum plate (10) and a second aluminum plate (9), the interlayer aluminum honeycomb (11) being filled between the first aluminum plate (10) and the second aluminum plate (9); an extension section is provided on an abutting side of at least one of two sides of aluminum plates (10, 9) of the aluminum honeycomb profile unit (6), the extension section extending to the exterior of the interlayer aluminum honeycomb (11) at the same side; the strength of the support component is greater than that of the interlayer aluminum honeycomb (11), and extension sections of two adjacent aluminum honeycomb profile units (6) are assembled to each other and connected and fixed by means of the support component. In the composite aluminum plate assembly, the connecting position of two adjacent aluminum honeycomb profile units (6) is connected by means of the support component having a strength greater than that of the interlayer aluminum honeycomb (11), increasing the strength of the connecting position of the two, effectively solving the problems of welding defect and deformation at the assembling position of the aluminum honeycomb profile units (6), and ensuring reliable and aesthetic welding between the aluminum honeycomb profile units (6).