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(81) 指定国 (除另有指明, 要求每一种可提供的国家保护): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB,

(54) Title: RAIL VEHICLE, DRIVER'S CABIN AND COMPOSITE ALUMINUM PLATE ASSEMBLY

(54) 发明名称: 一种轨道车辆、司机室及复合铝板组件

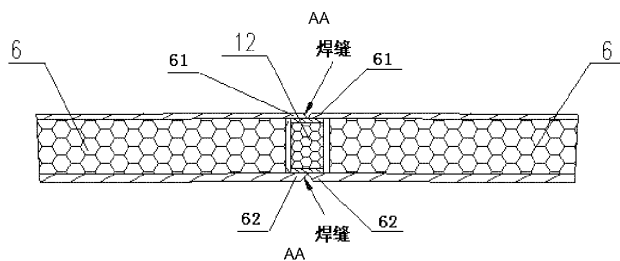


图 4

AA Welding seal

(57) 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,

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GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW。

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- 包括国际检索报告 (条约第21条(3))。

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).

(57) 摘要: 一种轨道车辆、司机室及复合铝板组件, 该复合铝板组件包括至少两个铝蜂窝型材单元(6), 每一铝蜂窝型材单元(6)包括支撑部件、夹层铝蜂窝(11)、第一铝板(10)和第二铝板(9), 夹层铝蜂窝(11)填充于第一铝板(10)和第二铝板(9)之间; 铝蜂窝型材单元(6)两侧铝板(10, 9)至少其中一者的对接侧具有延伸段, 延伸段延伸至该侧夹层铝蜂窝(11)的外侧; 支撑部件的强度大于夹层铝蜂窝(11)的强度, 两相邻铝蜂窝型材单元(6)的各延伸段相对组装并且通过支撑部件连接固定; 该复合铝板组件中相邻两铝蜂窝型材单元(6)连接位置通过强度大于夹层铝蜂窝(11)的支撑部件连接, 增加了二者连接位置的强度, 有效解决了铝蜂窝型材单元(6)拼接位置出现焊接缺陷及变形的问题, 保证铝蜂窝型材单元(6)之间焊接可靠美观。