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(54) Title: CRANE AND MOUNTING ASSEMBLY STRUCTURE

(54) 发明名称: 一种起重机及安装组件结构

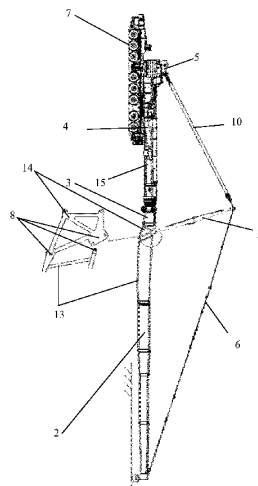


图 1

(57) Abstract: Disclosed in the present invention are a crane and a mounting assembly structure. The crane comprises a boom, a luffing cylinder and a tower jib structure for function switching, wherein the tower jib structure comprises a jib frame, a tower jib connecting frame connected to the boom, and a mounting assembly structure, and the tower jib connecting frame and the jib frame are movably or fixedly connected to each other by means of the mounting assembly structure. The mounting assembly structure of a first type comprises a transition joint and a connecting switch, the transition joint comprising a first transition joint and a second transition joint. The first transition joint is arranged at a front end of the tower jib connecting frame; the second transition joint is arranged at a rear end of the jib frame; and the first transition joint is connected to or disconnected from the second transition joint by means of the connecting switch. Different from the mounting assembly structure of the first type, the mounting assembly structure of a second type further comprises a tower cap connected to the tower jib connecting frame, and a bottom jib section connected to the jib frame; and the first transition joint is arranged at a front end of the tower cap, and the second transition joint is arranged at a rear end of the bottom jib section. The present invention has the characteristics of simple operation, flexible use and safe operation.

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WO 2025/145738 A1

(84) 指定国(除另有指明, 要求每一种可提供的地区保护): ARIPO (BW, CV, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SC, SD, SL, ST, SZ, TZ, UG, ZM, ZW), 欧亚 (AM, AZ, BY, KG, KZ, RU, TJ, TM), 欧洲 (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, ME, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG)。

本国际公布:
— 包括国际检索报告(条约第21条(3))。

(57) 摘要: 本发明公开了一种起重机及安装组件结构。其中, 起重机包括主臂、变幅油缸、功能切换的塔臂结构, 塔臂结构包括臂架、与主臂连接的塔臂连接架、安装组件结构, 塔臂连接架与臂架通过安装组件结构活动连接或固定连接。第一种安装组件结构包括转换接头、连接开关, 转换接头包括第一转换接头和第二转换接头。第一转换接头设置于塔臂连接架的前端; 第二转换接头设置于臂架后端; 且第一转换接头与第二转换接头通过连接开关连接与断开。第二种安装组件结构与第一种安装组件结构区别在于还包括连接塔臂连接架的塔冒、连接臂架的底节臂, 第一转换接头设置于塔冒的前端; 第二转换接头设置于底节臂的后端。本发明具有操作简便、使用灵活、操作安全的特点。