

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.