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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,

(54) Title: CONNECTING JOINT, AUXILIARY ARM MECHANISM AND CRANE

(54) 发明名称: 连接节、副臂机构及起重机

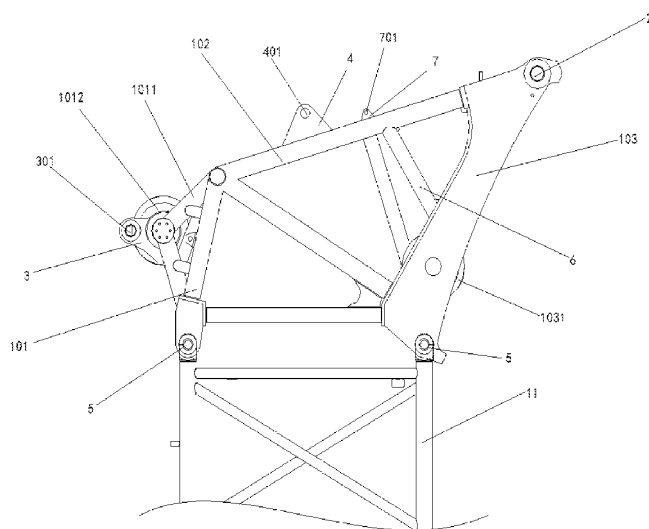


图 1

(57) Abstract: A connecting joint, an auxiliary arm mechanism and a crane. The connecting joint is used for connecting a main arm (11) and an auxiliary arm mechanism, and comprises a frame body (1), the frame body comprising a first support rod (101), a second support rod (102) and a third support rod (103); two ends of the second support rod are respectively connected to one end of the first support rod and one end of the third support rod, a first connecting portion is formed at the connecting position of the second support rod and the third support rod, and the first connecting portion is used for connecting a lower joint arm (8) of the auxiliary arm mechanism; a

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second connecting portion is provided on the first support rod, and the second connecting portion is used for connecting a first mast (10) of the auxiliary arm mechanism; a third connecting portion is provided on the second support rod, and the third connecting portion is used for connecting a second mast (9) of the auxiliary arm mechanism; and a fourth connecting portion is formed at each end of the first support rod and the third support rod away from the second support rod, and the fourth connecting portion is used for connecting to the main arm. The connecting joint can reduce the frequency of assembly and disassembly of the structures in an auxiliary arm mechanism.

(57) 摘要: 一种连接节、副臂机构及起重机。连接节用于连接主臂(11)和副臂机构, 包括架体(1), 架体包括第一支杆(101)、第二支杆(102)以及第三支杆(103); 第二支杆的两端分别与第一支杆和第三支杆的一端相连接, 且第二支杆与第三支杆的连接处形成有第一连接部, 第一连接部用于连接副臂机构的下节臂(8); 第一支杆上设有第二连接部, 第二连接部用于连接副臂机构的第一桅杆(10); 第二支杆上设有第三连接部, 第三连接部用于连接副臂机构的第二桅杆(9); 第一支杆与第三支杆远离第二支杆的一端均形成有第四连接部, 第四连接部用于与主臂相连接。该连接节能降低副臂机构中的各结构之间的拆装频率。