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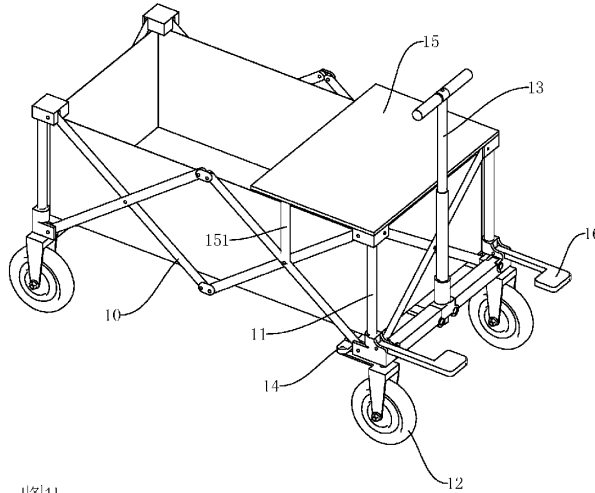
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- (81) 指定国(除另有指明, 要求每一种可提供的国家保护): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CV, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, MG, MK, MN, MU, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA,

(54) **Title:** COLLAPSIBLE AND PERSON-CARRYING STRUCTURE FOR COLLAPSIBLE WAGON STEERING SYSTEM

(54) 发明名称: 一种折叠拖车转向系统的折叠和载人结构



[图1]

(57) **Abstract:** Disclosed is a collapsible and person-carrying structure for a collapsible wagon steering system, comprising a collapsible frame (1). A connection device (11) is fixedly connected to the lower end of one side of the collapsible frame; the connection device comprises a frame support base (111); directional wheels (12) are connected to the bottom of the frame; the directional wheels are connected to a steering structure (14) by means of wheel direction swing arms (121); the steering structure is collapsible; a directional rod assembly (13) is further connected to the steering structure; and the directional rod assembly is used for controlling motion of the steering structure. By adopting the design, a steering structure composed of a plurality of steering arms is arranged between two directional wheels, steering of the directional wheels is controlled by means of the steering structure, and the steering structure can be switched between an uncollapsed state and a collapsed state so as to adapt to folding of the collapsible frame, such that the present

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本国际公布:

- 包括国际检索报告(条约第21条(3))。
- 包括经修改的权利要求(条约第19条(1))。

invention is easy to control and practical; and the directional wheels can be replaced with straight-blade fork omnidirectional wheels, such that the traveling stability of a wagon is improved, the use safety is high, and the steering is simpler. The present invention has reasonable design, a simple structure, and low costs.

(57) 摘要: 公开了一种折叠拖车转向系统的折叠和载人结构, 其还包括折叠车架(1), 折叠车架一侧下端固定连接连接有连接装置(11), 连接装置包括车架支撑座(111), 车架底部连接设置有方向轮(12), 方向轮通过车轮方向摆臂(121)与转向结构(14)连接, 转向结构可折叠设置, 转向结构还连接有方向杆组件(13), 方向杆组件用于控制转向结构的运动。采用以上设计, 通过在两个方向轮之间设置由多个转向臂构成的转向结构, 通过转向结构控制方向轮的转向, 且转向结构能够在展开状态和收折状态下进行转换, 以适配折叠车架的收折, 控制简单方便、实用, 且可将方向轮更换成直叉万向轮, 提升车辆行驶的稳定性, 使用安全性高, 且转向也更简单, 设计合理, 结构简单, 成本低。