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(54) Title: MULTIFUNCTIONAL WHEELCHAIR

(54) 发明名称: 一种多功能轮椅

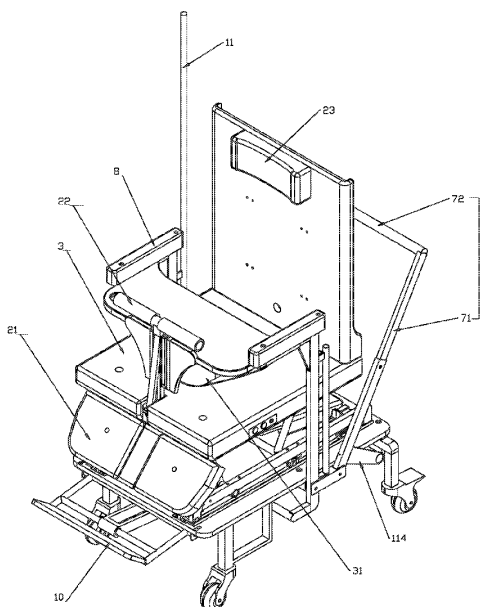


图 3

(57) Abstract: Provided is a multifunctional wheelchair, comprising a base (1) with wheels (17), and an adjustable lifting device (2) connected above the base (1). The adjustable lifting device (2) comprises a seat plate (3), a backrest (4) hinged to a rear end of the seat plate (3), a lower connecting plate (5) connected to the base (1), and a supporting structure (6) hinged between the seat plate (3) and the lower connecting plate (5). The supporting structure (6) comprises a front support bar assembly (61) and a rear support bar assembly (62). The adjustable lifting device (2) further comprises a driving mechanism for driving the rotation of the supporting structure (6) and/or for driving the lifting of the seat plate (3). The driving mechanism can produce a rotary motion or a linear motion, so that a parallelogram mechanism formed by the seat plate (3), the front support bar assembly (61), the lower connecting plate (5), and the rear support bar assembly (62) is in an unfolded state or a stored state. Due to the structure that the base (1) is matched with the adjustable lifting device (2), the height and angle of the wheelchair body can be adjusted, which has wider applicability. The wheelchair is suitable for beds of various heights and meets various needs of lying, sitting, moving, folding and so on.

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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: 一种多功能轮椅, 包括带有轮子(17)的底座(1), 还包括连接于底座(1)上方的可调式升降装置(2); 可调式升降装置(2)包括坐板(3)、与坐板(3)后端铰接的靠背(4), 与底座(1)连接的下联接板(5), 及铰接于坐板(3)与下联接板(5)之间的支撑结构(6); 支撑结构(6)包括前支撑杆组件(61)、后支撑杆组件(62); 可调式升降装置(2)还包括用于驱动支撑结构(6)旋转和/或用于驱动坐板(3)升降的驱动机构, 驱动机构产生旋转运动或直线运动, 以使坐板(3)、前支撑杆组件(61)、下联接板(5)和后支撑杆组件(62)形成的平行四边形机构处于展开状态或收纳状态。因采用底座(1)和可调式升降装置(2)配合的结构形式, 轮椅主体的高度、角度均可调节, 具有更加广泛的适用性, 适用于各种高度的床身, 且满足平躺、坐立、移动、收叠等多种使用需求。