

(12) 按照专利合作条约所公布的国际申请

(19) 世界知识产权组织
国际局



(10) 国际公布号
WO 2021/114033 A1

(43) 国际公布日
2021 年 6 月 17 日 (17.06.2021)

(51) 国际专利分类号:
B65D 19/26 (2006.01) **B65D 19/38** (2006.01)

(21) 国际申请号: PCT/CN2019/124054

(22) 国际申请日: 2019 年 12 月 9 日 (09.12.2019)

(25) 申请语言: 中文

(26) 公布语言: 中文

(72) 发明人: 及

(71) 申请人: 刘英俊 (LOW, Engchoon) [SG/CN]; 中国广东省深圳市福田区金田路 1001 号金港豪庭 D 栋 18B, Guangdong 518048 (CN)。

(74) 代理人: 深圳鼎合诚知识产权代理有限公司 (DHC IP ATTORNEYS); 中国广东省深圳市福田区金田路与福华路交汇处现代商务大厦 1810, Guangdong 518048 (CN)。

(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, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW。

(84) 指定国 (除另有指明, 要求每一种可提供的地区保护): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, 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,

(54) Title: ASSEMBLING COMPONENT HAVING LOCKING MECHANISM

(54) 发明名称: 一种带有锁定机构的拼装组件

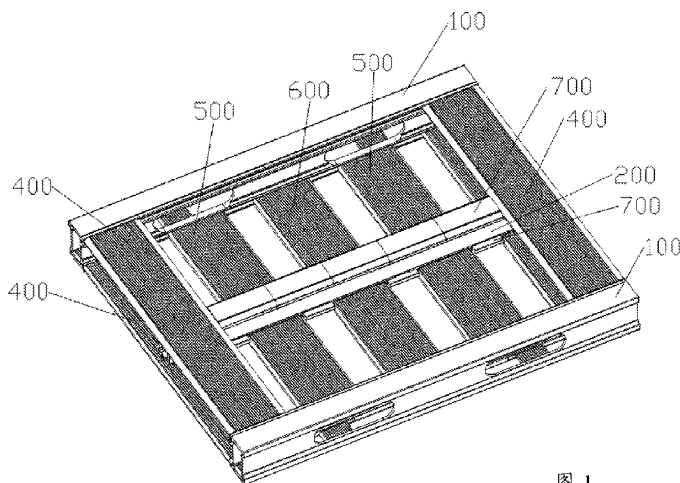


图 1

(57) Abstract: An assembling component having a locking mechanism. The assembling component comprises a pair of lateral guide rails (100), a pair of type I of plates (400), a backbone member (200), and at least one eccentric rotating member (300). A sliding groove (110) is provided on each lateral guide rail (100) in an extending direction thereof; two end portions of each type I of plate (400) can extend into the sliding grooves (110) of corresponding lateral guide rails (100); two ends of each lateral guide rail (100) are respectively provided with snap-fitting structures; protruding sliding blocks (220) are provided on the backbone member (200) in an extending direction thereof; a type I of slot (800) is provided on one surface of each type I of plate (400) in a direction parallel to the lateral guide rail (100), the opening of the type I of slot is located on one side of the type I of plate (400), and the type I of slot is stopped at a stopping position after extending through a part of surface of the plate (400) where the type I of slot is. The bottom of the eccentric

[见续页]



WO 2021/114033 A1

IE, IS, IT, LT, LU, LV, MC, 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))。

rotating member (300) is provided with a protruding rotary sliding block, the rotary sliding block can slide in from the opening of the type I of slot (800) and located at the stopping position of the type I of slot (800); the eccentric rotating member (300) is provided with two arms having different extending directions by using the rotary sliding block as a starting point, wherein the length of a long arm (320) is greater than the length of a short arm (330).

(57) 摘要：一种带有锁定机构的拼装组件，包括一对侧向导轨（100）、一对一类板件（400）、一个脊柱件（200）和至少一个偏心转动件（300），每个侧向导轨（100）上沿其延伸方向设置有滑槽（110），每个一类板件（400）的两个端部能够伸入相应的侧向导轨（100）的滑槽（110）内，每个侧向导轨（100）的两端分别设有卡接结构，脊柱件（200）沿其延伸方向设置有凸起的滑块（220），每个一类板件（400）的一个表面上，沿与侧向导轨（100）平行的方向设置有一类卡槽（800），其开口于一类板件（400）的一侧，且在延伸过所在板件（400）的部分表面后截止于截止位置。偏心转动件（300）的底部设置有凸起的旋转滑块，旋转滑块能够从一类卡槽（800）的开口滑入并处于一类卡槽（800）的截止位置，偏心转动件（300）以旋转滑块为起点具有两个延伸方向不同的臂，其中长臂（320）的长度大于短臂（330）的长度。