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本国际公布:

— 包括国际检索报告 (条约第21条 (3))。

(54) Title: FOLDING WHEEL AND PORTABLE DEVICE

(54) 发明名称: 一种折叠轮和便携式用具

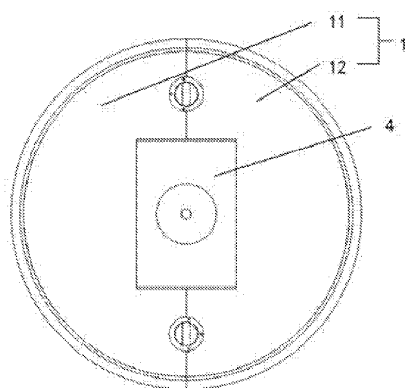


图 1

(57) Abstract: A folding wheel and a portable device. The folding wheel comprises: a wheel body (1), the wheel body comprising two wheel plates which can be assembled together, a gap region (2) being formed between the two wheel plates when the two wheel plates are assembled together; a first connecting member (4), provided in the gap region (2); a first sliding rail mechanism, at least partially provided on the first connecting member (4), and the rest part thereof being provided on the wheel plates, the first sliding rail mechanism comprising a first rail groove (31) and a first rotary shaft (32) embedded in the first rail groove (31), the two wheel plates being able to be assembled with each other or separated from each other along the first rail groove (31) by means of the first rotary shaft (32), and being able to be turned over relative to the first connecting member (4) by means of the first rotary shaft (32); and a fixing mechanism, for fixing the two wheel plates in an assembled state. The folding wheel can be folded, and by pulling the two wheel plates in a direction away from each other, the two wheel plates slide in a direction away from each other along the first rail groove (31), and then the two wheel plates are turned over and folded in a direction close to each other. The folding wheel having a smaller volume after folding facilitates storage or carrying by a user.

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(57) 摘要：一种折叠轮和便携式用具，折叠轮包括：轮体（1），包括可相互拼合的两个轮板，两个轮板彼此拼合时在二者之间形成缺口区域（2）；第一连接件（4），设置在缺口区域（2）内；第一滑轨机构，至少部分设置在第一连接件（4）上，其余部分设置在各轮板上，第一滑轨机构包括第一轨道槽（31）和嵌入第一轨道槽（31）的第一转轴（32），两个轮板能够通过第一转轴（32）沿着第一轨道槽（31）彼此拼合或远离，并能够通过第一转轴（32）相对于第一连接件（4）翻转；以及固定机构，用于将两个轮板固定在彼此拼合的状态。折叠轮可以折叠，通过将两个轮板朝相互远离的方向拉动，使两个轮板分别沿第一轨道槽（31）朝相互远离的方向滑动，然后将两个轮板翻转并朝彼此相互靠近的方向折叠。折叠后体积更小的折叠轮便于用户收纳或携带。