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(54) Title: LOCK CATCH MECHANISM FOR CONTAINER, AND STORAGE BOX AND STORAGE BOX COMBINATION
APPLYING LOCK CATCH MECHANISM

(54) 发明名称: 用于容器的锁扣机构及其储物箱、储物箱组合

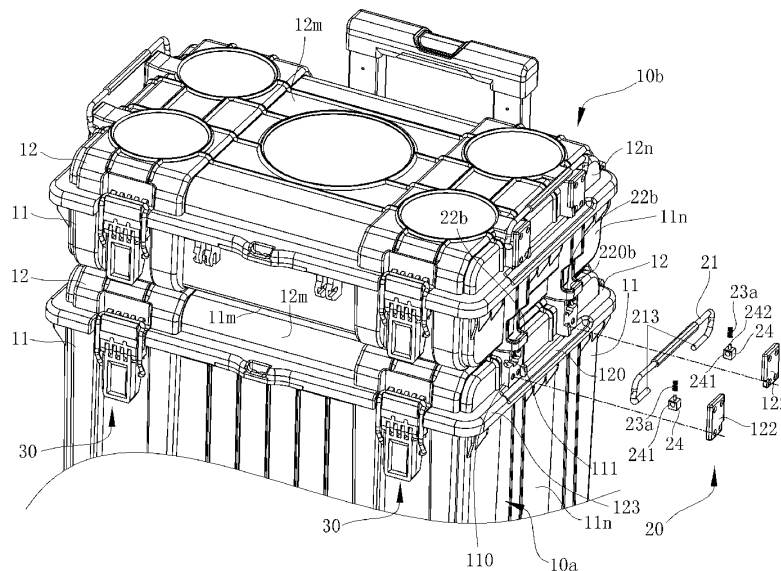


图4

(57) Abstract: A lock catch mechanism for a container, comprising a lock catch member and an elastic member. The lock catch member is rotatably connected to the side wall of a box body or a cover body of the container in a manner of being capable of deflecting around a roughly horizontally extending rotating shaft with respect to the container, and the lock catch member is further restrained on the side wall of the box body or the cover body in a manner of being capable of moving up and down. The elastic member is provided on the side wall of the box body or the cover body, the lock catch member can overcome the elastic force of the elastic member under the action of

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根据细则4.17的声明:

- 关于申请人有权申请并被授予专利(细则4.17(ii))
- 发明人资格(细则4.17(iv))

本国际公布:

- 包括国际检索报告(条约第21条(3))。

external force to move upwards or downwards, and the lock catch member can reset in an opposite direction after the external force is removed. The present invention further relates to a storage box and a storage box combination. According to the lock catch mechanism in the present invention, a force application angle is more reasonable in a locking and unlocking process, wearing and deformation of the container are less, and moreover, the problem of locking failure caused by deformation of a container material is avoided.

(57) 摘要: 一种用于容器的锁扣机构, 包括锁扣件和弹性件, 锁扣件以能绕大致水平延伸的转轴而相对容器偏转的方式转动连接在容器的箱体或盖体的侧壁上, 锁扣件还以能上下移动的方式被约束在箱体或盖体的侧壁上; 弹性件设于箱体或盖体的侧壁上, 锁扣件在外力作用下能克服弹性件的弹力而向上或向下移动, 锁扣件在外力撤销后能沿相反的方向复位。本发明还涉及一种储物箱及储物箱组合。本发明的锁扣机构上锁、解锁过程中施力角度更为合理, 对容器的磨损、变形更小, 同时避免了因容器材料变形而导致锁定失灵问题。