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(73) Titulaire(s):
XI'AN HI-TECH HOSPITAL CO., LTD – Shaanxi (China)

(72) Inventeur(s):
ZHANG Zhen – China, ZHONG Jie – China

(74) Mandataire(s):
BAUER-IP – 14800 Praha (Czech Republic)

(54) **Defibrillation Device For Emergency Thoracic Surgery And Use Method Thereof.**

(57) A defibrillation device for emergency thoracic surgery and a use method thereof, comprising a defibrillator body and a storage expansion assembly, two defibrillator pads are arranged above the defibrillator body, the storage expansion assembly is arranged below the defibrillator body, the storage expansion assembly is used to increase the object accommodation space, the storage expansion assembly comprises a capacity retractable assembly. The positioning screws are rotatably connected to the upper and lower threaded positioning holes to change the position of the U-shaped support inner plate, the position of the U-shaped support inner plate determines whether the retractable support box is inside or outside the rectangular-shaped inner groove; when the retractable support box is outside the rectangular-shaped inner groove, the second pull-out box is pulled out for storing items; the storage space can be flexibly adjusted according to the items of the defibrillator, effectively improving the usage flexibility of the device; conversely, when the retractable support box is inside the rectangular-shaped inner groove, the second pull-out box can be hidden to reduce the unnecessary occupied space of the whole device.

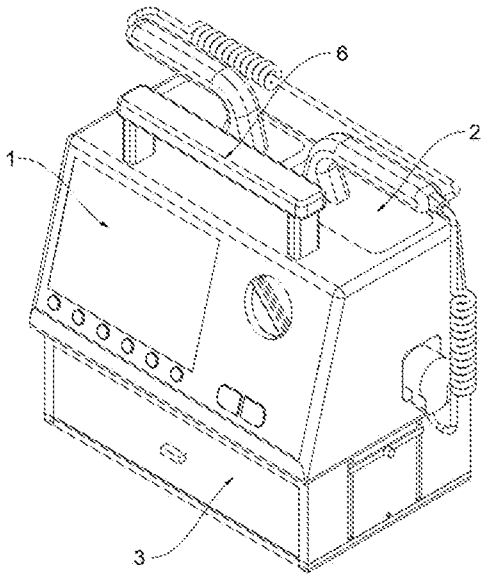

FIG. 1

LU508307

Defibrillation Device For Emergency Thoracic Surgery And Use Method Thereof

Technical Field

[0001] The invention relates to the technical field of intelligent adjustable masks, and in particular to a defibrillation device for emergency thoracic surgery and a use method thereof.

Background

[0002] Thoracic surgery is a specialized field of medicine that primarily involves surgical procedures within the thoracic cavity, including diseases of organs and structures such as the heart, lungs, esophagus, mediastinum, and chest wall. Among the common medical devices in thoracic surgery, the defibrillator is a type of medical equipment used to treat cardiac arrest or severe cardiac arrhythmias (such as ventricular fibrillation and pulseless ventricular tachycardia); its primary function is to restore the normal rhythm of the heart through electrical shocks. Defibrillators are classified into manual defibrillators and automated external defibrillators (AEDs). Manual defibrillators are operated by medical professionals in hospital settings, allowing for manual adjustment of shock parameters based on electrocardiogram monitoring results; AEDs are designed for use by non-professionals, capable of automatically analyzing heart rhythms and delivering electric shocks when necessary, suitable for public places and emergency situations.

[0003] A defibrillation device for emergency thoracic surgery, with the publication number CN115920239A, comprises a defibrillator, a sterilization storage box, and two dust collecting devices; a right side of the defibrillator is provided with a square groove, bar-shaped grooves are arranged on front and rear sides of the inner walls of the square groove, bar-shaped blocks are slidably arranged inside the two bar-shaped grooves. Through the cooperation of components such as the defibrillator, sterilization storage box, suction device, square groove, bar-shaped groove, bar-shaped block, positioning mechanism, rotating disk, connecting rod, T-shaped block, compression spring, heat dissipation port, storage slot, cavity, fixing mechanism, threaded rod, moving block, compressing block, compressing rod, compressing disk, rotating block, limit groove, limit block, alarm, positioning rod, and circular groove, the

invention addresses the problems of insufficient storage and automatic cleaning. This defibrillation device for emergency thoracic surgery provides the benefits of better medication storage and automatic cleaning.

[0004] However, the aforementioned defibrillation device has a fixed capacity for the sterilizing storage box used to store medical supplies. When there are more items that need to be configured, the limited storage space in the sterilizing storage box cannot accommodate them; in addition, the storage space cannot be flexibly adjusted according to the items in the defibrillator, resulting in poor flexibility.

Summary of the invention

[0005] The invention aims to provide a defibrillation device for emergency thoracic surgery and a use method thereof, which solves the following problems: the traditional defibrillation devices has a fixed capacity for the sterilizing storage box used to store medical supplies; and when there are more items that need to be configured, the limited storage space in the sterilizing storage box cannot accommodate them; in addition, the storage space cannot be flexibly adjusted according to the items in the defibrillator, resulting in poor flexibility.

[0006] The invention solves the above technical problems through the following technical scheme: a defibrillation device for emergency thoracic surgery, comprising a defibrillator body and a storage expansion assembly, two defibrillator pads are arranged above the defibrillator body;

[0007] the storage expansion assembly is arranged below the defibrillator body, the storage expansion assembly is used to increase the object accommodation space, the storage expansion assembly comprises a capacity retractable assembly, the capacity retractable assembly comprises a U-shaped fixing plate fixed below the defibrillator body, a first pull-out box is slidably arranged inside the U-shaped fixing plate, a rectangular-shaped inner groove is arranged below the first pull-out box, a retractable support box is slidably arranged inside the rectangular-shaped inner groove, a second pull-out box is slidably arranged inside the retractable support box.

[0008] Preferably, a U-shaped inner groove is arranged below the U-shaped fixing plate, two limiting vertical grooves are respectively arranged on both sides of the U-shaped inner groove,

two threaded positioning holes are respectively arranged on both sides of the U-shaped inner groove, the storage expansion assembly also comprises a positioning member, the positioning member is arranged inside the U-shaped inner groove, the positioning member is used to help the second pull-out box to fix its position.

[0009] Preferably, the positioning member comprises a U-shaped support inner plate, the U-shaped support inner plate is slidably arranged inside the U-shaped inner groove, U-shaped limit strips are fixed on both sides of the U-shaped support inner plate, interiors of the two U-shaped limit strips are threadedly connected with positioning screws.

[0010] Preferably, both sides of an inner wall of the U-shaped support inner plate are provided with linkage sliding grooves, traction sliding feet are slidably installed inside the two linkage sliding grooves, the two traction sliding feet are fixed to both sides of the retractable support box.

[0011] Preferably, a U-shaped anti-shift rubber layer is fixed below the U-shaped support inner plate.

[0012] Preferably, front surfaces of both the first pull-out box and the second pull-out box are fixed with power-assisting protrusions.

[0013] Preferably, a carrying handle is fixed above the defibrillator body.

[0014] Preferably, a use method for the defibrillation device for emergency thoracic surgery comprises the following steps:

[0015] step 1: if the first pull-out box, which is arranged on the defibrillator body and serves as an accessory for storing items, cannot store all the items, the two positioning screws can be unscrewed from the upper threaded positioning holes, and the U-shaped support inner plate can be pulled down, the U-shaped support inner plate will then drive the retractable support box to slide down until the U-shaped limit strips are restricted from moving downward by the limiting vertical grooves;

[0016] step 2: the positioning screws are screwed into the corresponding lower threaded positioning holes to fix the second pull-out box, at this time, the second pull-out box is located below the first pull-out box, the second pull-out box can be pulled out to increase the storage space;

[0017] step 3: when there are no items stored inside the second pull-out box, the positioning screws are unscrewed from the lower threaded positioning holes, the U-shaped support inner plate is pushed upwards until the retractable support box and the second pull-out box slide into the rectangular-shaped inner groove, the positioning screws are used to screw into the upper threaded positioning holes to fix the second pull-out box.

[0018] Compared with the prior art, the invention has the following advantageous effects:

[0019] the positioning screws are rotatably connected to the upper and lower threaded positioning holes to change the position of the U-shaped support inner plate, the position of the U-shaped support inner plate determines whether the retractable support box is inside or outside the rectangular-shaped inner groove; when the retractable support box is outside the rectangular-shaped inner groove, the second pull-out box is pulled out for storing items; the storage space can be flexibly adjusted according to the items of the defibrillator, effectively improving the usage flexibility of the device; conversely, when the retractable support box is inside the rectangular-shaped inner groove, the second pull-out box can be hidden to reduce the unnecessary occupied space of the whole device.

Brief Description of the drawings

[0020] FIG. 1 is a schematic diagram of the main structure of the invention;

[0021] FIG. 2 is a schematic diagram of the structure of the storage expansion assembly after expansion of the invention;

[0022] FIG. 3 is a schematic diagram of the disassembly of the storage expansion assembly and the defibrillator body in the invention;

[0023] FIG. 4 is a bottom view of FIG. 3.

[0024] 1 defibrillator body; 2 defibrillator pad; 3 storage expansion assembly; 31 a U-shaped fixing plate; 32 first pull-out box; 33 rectangular-shaped inner groove; 34 retractable support box; 35 second pull-out box; 36 U-shaped inner groove; 37 limiting vertical groove; 38 threaded positioning hole; 39 U-shaped support inner plate; 310 U-shaped limit strip; 311 positioning screw; 312 linkage sliding groove; 313 traction sliding foot; 4 U-shaped anti-shift rubber layer; 5 power-assisting protrusion; 6 carrying handle.

Description of Embodiments

[0025] The above and other technical features and advantages of the invention are described in more detail below in combination with the accompanying drawings.

[0026] The invention provides the following technical scheme: a defibrillation device for emergency thoracic surgery, shown in FIG. 1 and FIG.2, comprising a defibrillator body 1 and a storage expansion assembly 3, two defibrillator pads 2 are arranged above the defibrillator body 1; additionally, operation keys such as a display, function buttons and adjustment switches are provided; a carrying handle 6 is fixed above the defibrillator body 1 to facilitate the transport and movement of the device, the carrying handle 6 is covered with a non-slip sleeve to increase friction between the hand and the carrying handle 6, preventing the device from slipping and falling during lifting, which could cause damage; the storage expansion assembly 3 is located below the defibrillator body 1 and is used to increase the storage space; the storage expansion assembly 3 comprises a capacity retractable assembly, which allows for additional storage space when carrying numerous medical auxiliary supplies.

[0027] When using the defibrillator, it is necessary to ensure that the surrounding environment is safe and free of any potential risk of electric shock before approaching the patient; next, the defibrillator body 1 is turned on, and operations are made according to the instructions on the device; specially, two electrode pads are correctly attached to the patient's chest: one pad on the upper right chest and the other on the lower left chest, the defibrillator body 1 is started, and then the device automatically analyze the patient's heart rhythm; ensuring that no one is around, and then you can apply the electric shock according to the instructions of the defibrillation device if needed.

[0028] As shown in FIG. 2- FIG. 4, the capacity retractable assembly comprises a U-shaped fixing plate 31 fixed below the defibrillator body 1, a first pull-out box 32 is slidably arranged inside the U-shaped fixing plate 31, a rectangular-shaped inner groove 33 is arranged below the first pull-out box 32, a retractable support box 34 is slidably arranged inside the rectangular-shaped inner groove 33, a second pull-out box 35 is slidably arranged inside the retractable support box 34. If items cannot be stored in the first pull-out box 32, the second pull-out box 35 can be pulled out of the rectangular-shaped inner groove 33 for storage use; if

the items can be fully stored in the first pull-out box 32, the second pull-out box 35 can be pushed back into the rectangular-shaped inner groove 33, which saves the device's space. Front surfaces of both the first pull-out box 32 and the second pull-out box 35 are fixed with power-assisting protrusions 5, the power-assisting protrusions 5 make it easier for staff to pull out the first pull-out box 32 or second pull-out box 35.

[0029] As shown in FIG. 2- FIG. 4, magnetic blocks can be fixed on both sides of the first pull-out box 32 and the second pull-out box 35; similarly, magnetic strips should be fixed on both sides of an inner wall of the U-shaped fixing plate 31 and both sides of an inner wall of the retractable support box 34; the magnetic blocks and the magnetic strips are magnetically attracted to each other to fix the first pull-out box 32 and the second pull-out box 35 to prevent the first pull-out box 32 and the second pull-out box 35 from accidentally sliding and exposing the stored items inside; the first pull-out box 32 slides back and forth in the U-shaped fixing plate 31, and the second pull-out box 35 also slides back and forth in the retractable support box 34; two limit grooves are arranged above the inner wall of the U-shaped fixing plate 31, the first pull-out box 32 slides in the two limit grooves through two traction feet; two grooves are arranged on both sides of the inner wall of the retractable support box 34, the second pull-out box 35 slides in the two grooves through two pulling feet; when the second pull-out box 35 is hidden in the first pull-out box 32, the first pull-out box 32 is pulled outward, and the first pull-out box 32 will drive the second pull-out box 35 to move together, and under the sliding connection between the two traction sliding feet 313 and the linkage sliding groove 312, the retractable support box 34 will not interfere with the normal sliding of the first pull-out box 32.

[0030] As shown in FIG. 2- FIG. 4, a U-shaped inner groove 36 is arranged below the U-shaped fixing plate 31, two limiting vertical grooves 37 are respectively arranged on both sides of the U-shaped inner groove 36, the two limiting vertical grooves 37 on the same side are arranged front and back, two threaded positioning holes 38 are respectively arranged on both sides of the U-shaped inner groove 36, the two threaded positioning holes 38 on the same side are both arranged between the two limiting vertical grooves 37 on the same side, and the two threaded positioning holes 38 are distributed up and down; the storage expansion

assembly 3 also comprises a positioning member, the positioning member is arranged inside the U-shaped inner groove 36, the positioning member is used to help the second pull-out box 35 to fix its position, and can change as the second pull-out box 35 is pulled out or pushed into the rectangular-shaped inner groove 33.

[0031] As shown in FIG. 1- FIG. 4, the positioning member comprises a U-shaped support inner plate 39, a U-shaped anti-shift rubber layer 4 is fixed below the U-shaped support inner plate 39, the U-shaped anti-shift rubber layer 4 can increase the friction between a bottom of the U-shaped support inner plate 39 and its placement surface, preventing the device from accidentally moving and helping to fix the device, so that it is more stable when stationary; the U-shaped support inner plate 39 is slidably arranged inside the U-shaped inner groove 36, U-shaped limit strips 310 are fixed on both sides of the U-shaped support inner plate 39, the two U-shaped limit strips 310 are arranged on the upper side, the two U-shaped limit strips 310 slide respectively within the limiting vertical grooves 37, which are arranged on either side of the U-shaped fixing plate 31, interiors of the two U-shaped limit strips 310 are threadedly connected with positioning screws 311; when the U-shaped support inner plate 39 is completely in the U-shaped inner groove 36, each U-shaped limit strip 310 and each positioning screw 311 correspond to each threaded positioning hole 38 at the top; conversely, when the U-shaped support inner plate 39 slides down with the second pull-out box 35 and is in the U-shaped inner groove 36, each U-shaped limit strip 310 and each positioning screw 311 correspond to each threaded positioning hole 38 at the bottom; both sides of an inner wall of the U-shaped support inner plate 39 are provided with linkage sliding grooves 312, traction sliding feet 313 are slidably installed inside the two linkage sliding grooves 312, the two traction sliding feet 313 are fixed to both sides of the retractable support box 34, the traction sliding feet 313 connects the second pull-out box 35 with the U-shaped support inner plate 39, so that the two can be linked up and down without hindering the second pull-out box 35 from performing the in-and-out pulling operation within the retractable support box 34.

[0032] As shown in FIG. 1- FIG. 4, if the first pull-out box 32, which is arranged on the defibrillator body 1 and serves as an accessory for storing items, cannot store all the items, the two positioning screws 311 can be unscrewed from the upper threaded positioning holes 38,

and the U-shaped support inner plate 39 can be pulled down, the connection relationship of the traction sliding feet 313 causes the U-shaped support inner plate 39 to drive the retractable support box 34 to slide down together until the U-shaped limit strips 310 slide to a bottom of the limiting vertical grooves 37 and are restricted from moving downward; at this time, the positioning screws 311 correspond to the lower threaded positioning holes 38, then the positioning screws 311 are screwed into the corresponding lower threaded positioning holes 38 to fix the second pull-out box 35, at this time, the second pull-out box 35 is located below the first pull-out box 32, the second pull-out box 35 can be pulled out to increase the storage space; if the first pull-out box 32 can store all the items, the positioning screws 311 are unscrewed from the lower threaded positioning holes 38, the U-shaped support inner plate 39 is pushed upwards, the U-shaped support inner plate 39 drives the retractable support box 34 and the second pull-out box 35 into the rectangular-shaped inner groove 33, then, the positioning screws 311 are screwed into the upper threaded positioning holes 38 to fix the second pull-out box 35; when the second pull-out box 35 is not in use, the overall space occupied by the device does not increase; when the second pull-out box 35 is stored into the rectangular-shaped inner groove 33, the first pull-out box 32 is pulled out, which drives the traction sliding feet 313 to slide within the linkage sliding grooves 312, without causing interference with the normal use of the first pull-out box 32.

[0033] A use method for the defibrillation device for emergency thoracic surgery comprises the following steps:

[0034] step 1: if the first pull-out box 32, which is arranged on the defibrillator body 1 and serves as an accessory for storing items, cannot store all the items, the two positioning screws 311 can be unscrewed from the upper threaded positioning holes 38, and the U-shaped support inner plate 39 can be pulled down, the U-shaped support inner plate 39 will then drive the retractable support box 34 to slide down until the U-shaped limit strips 310 are restricted from moving downward by the limiting vertical grooves 37;

[0035] step 2: the positioning screws 311 are screwed into the corresponding lower threaded positioning holes 38 to fix the second pull-out box 35, at this time, the second pull-out box 35 is located below the first pull-out box 32, the second pull-out box 35 can be pulled out to

increase the storage space;

[0036] step 3: when there are no items stored inside the second pull-out box 35, the positioning screws 311 are unscrewed from the lower threaded positioning holes 38, the U-shaped support inner plate 39 is pushed upwards until the retractable support box 34 and the second pull-out box 35 slide into the rectangular-shaped inner groove 33, the positioning screws 311 are used to screw into the upper threaded positioning holes 38 to fix the second pull-out box 35.

[0037] The above description is only a preferred embodiment of the invention, which is only illustrative and not restrictive of the invention. Those skilled in the art understand that many changes, modifications, and even equivalences may be made to the invention within the spirit and scope defined by the claims of the invention, but they will all fall within the protection scope of the invention.

CLAIMS

1. A defibrillation device for emergency thoracic surgery, comprising a defibrillator body and a storage expansion assembly, two defibrillator pads are arranged above the defibrillator body;

the storage expansion assembly is arranged below the defibrillator body, the storage expansion assembly is used to increase the object accommodation space, the storage expansion assembly comprises a capacity retractable assembly, the capacity retractable assembly comprises a U-shaped fixing plate fixed below the defibrillator body, a first pull-out box is slidably arranged inside the U-shaped fixing plate, a rectangular-shaped inner groove is arranged below the first pull-out box, a retractable support box is slidably arranged inside the rectangular-shaped inner groove, a second pull-out box is slidably arranged inside the retractable support box.

2. The defibrillation device for emergency thoracic surgery according to claim 1, wherein a U-shaped inner groove is arranged below the U-shaped fixing plate, two limiting vertical grooves are respectively arranged on both sides of the U-shaped inner groove, two threaded positioning holes are respectively arranged on both sides of the U-shaped inner groove, the storage expansion assembly also comprises a positioning member, the positioning member is arranged inside the U-shaped inner groove, the positioning member is used to help the second pull-out box to fix its position.

3. The defibrillation device for emergency thoracic surgery according to claim 2, wherein the positioning member comprises a U-shaped support inner plate, the U-shaped support inner plate is slidably arranged inside the U-shaped inner groove, U-shaped limit strips are fixed on both sides of the U-shaped support inner plate, interiors of the two U-shaped limit strips are threadedly connected with positioning screws.

4. The defibrillation device for emergency thoracic surgery according to claim 3, wherein both sides of an inner wall of the U-shaped support inner plate are provided with linkage sliding grooves, traction sliding feet are slidably installed inside the two linkage sliding grooves, the two traction sliding feet are fixed to both sides of the retractable support box.

5. The defibrillation device for emergency thoracic surgery according to claim 4, wherein a U-shaped anti-shift rubber layer is fixed below the U-shaped support inner plate.

6. The defibrillation device for emergency thoracic surgery according to claim 1, wherein front surfaces of both the first pull-out box and the second pull-out box are fixed with power-assisting protrusions.

7. The defibrillation device for emergency thoracic surgery according to claim 6, wherein a carrying handle is fixed above the defibrillator body.

8. A use method for the defibrillation device for emergency thoracic surgery, wherein the use method is applied to the defibrillation device according to any one of claims 5 and 7, comprising the following steps:

step 1: if the first pull-out box, which is arranged on the defibrillator body and serves as an accessory for storing items, cannot store all the items, the two positioning screws can be unscrewed from the upper threaded positioning holes, and the U-shaped support inner plate can be pulled down, the U-shaped support inner plate will then drive the retractable support box to slide down until the U-shaped limit strips are restricted from moving downward by the limiting vertical grooves;

step 2: the positioning screws are screwed into the corresponding lower threaded positioning holes to fix the second pull-out box, at this time, the second pull-out box is located below the first pull-out box, the second pull-out box can be pulled out to increase the storage space;

step 3: when there are no items stored inside the second pull-out box, the positioning screws are unscrewed from the lower threaded positioning holes, the U-shaped support inner plate is pushed upwards until the retractable support box and the second pull-out box slide into the rectangular-shaped inner groove, the positioning screws are used to screw into the upper threaded positioning holes to fix the second pull-out box.

Schutzansprüche

1. Defibrillationsvorrichtung für die Notfall-Thoraxchirurgie, wobei sie einen Defibrillatorkörper und eine Lagerungserweiterungsbaugruppe umfasst, wobei der Defibrillatorkörper oben mit zwei Defibrillator-Paddles versehen ist;
die Lagerungserweiterungsbaugruppe ist unterhalb des Defibrillatorkörpers angeordnet, die Lagerungserweiterungsbaugruppe wird verwendet, um den Raum für die Aufnahme von Gegenständen zu vergrößern, die Lagerungserweiterungsbaugruppe umfasst eine Kapazitätsauszugsbaugruppe, die Kapazitätsauszugsbaugruppe umfasst eine U-förmige Befestigungsplatte, die unterhalb des Defibrillatorkörpers befestigt ist, ein erster Auszugskasten ist verschiebbar innerhalb der U-förmigen Befestigungsplatte angeordnet, eine rechteckige innere Nut ist unterhalb des ersten Auszugskastens angeordnet, ein einziehbarer Stützkasten ist verschiebbar innerhalb der rechteckigen inneren Nut angeordnet, ein zweiter Auszugskasten ist verschiebbar innerhalb des einziehbaren Stützkastens angeordnet.

2. Defibrillationsvorrichtung für die Notfall-Thoraxchirurgie nach Anspruch 1, wobei eine U-förmige innere Nut unterhalb der U-förmigen Befestigungsplatte angeordnet ist, zwei begrenzende vertikale Nuten jeweils auf beiden Seiten der U-förmigen inneren Nut angeordnet sind, zwei Gewindepositionierungslöcher jeweils auf beiden Seiten der U-förmigen inneren Nut angeordnet sind, die Lagerungserweiterungsbaugruppe auch ein Positionierungselement umfasst, das Positionierungselement innerhalb der U-förmigen inneren Nut angeordnet ist, das Positionierungselement verwendet wird, um dem zweiten Auszugskasten zu helfen, seine Position zu fixieren.

3. Defibrillationsvorrichtung für die Notfall-Thoraxchirurgie nach Anspruch 2, wobei das Positionierungselement eine U-förmige Stützinnenplatte umfasst, die U-förmige Stützinnenplatte verschiebbar innerhalb der U-förmigen inneren Nut angeordnet ist, U-förmige Begrenzungsstreifen auf beiden Seiten der U-förmigen Stützinnenplatte befestigt sind, die Innenseiten der beiden U-förmigen

Begrenzungsstreifen mit Positionierungsschrauben verschraubt sind.

4. Defibrillationsvorrichtung für die Notfall-Thoraxchirurgie nach Anspruch 3, wobei beide Seiten der Innenwand der U-förmigen St ü tzinnenplatte mit Verbindungsgleitnuten versehen sind, Zuggleitf ü ße gleitend in den beiden Verbindungsgleitnuten installiert sind, die beiden Zuggleitfüße an beiden Seiten des einziehbaren Stützkastens befestigt sind.

5. Defibrillationsvorrichtung für die Notfall-Thoraxchirurgie nach Anspruch 4, wobei eine U-förmige Antiverschiebungs-Gummischicht unterhalb der U-förmigen St ützinnenplatte befestigt ist.

6. Defibrillationsvorrichtung für die Notfall-Thoraxchirurgie nach Anspruch 1, wobei die Vorderflächen sowohl des ersten Auszugskastens als auch des zweiten Auszugskastens mit kraftunterstützenden Vorsprüngen befestigt sind.

7. Defibrillationsvorrichtung für die Notfall-Thoraxchirurgie nach Anspruch 6, wobei ein Tragegriff oberhalb des Defibrillatorkörpers befestigt ist.

8. Verwendungsverfahren für die Defibrillationsvorrichtung f ü r die Notfall-Thoraxchirurgie, wobei das Verwendungsverfahren auf die Defibrillationsvorrichtung nach einem der Ansprüche 5 und 7 angewandt wird, umfassend die folgenden Schritte:

Schritt 1: wenn der erste Auszugskasten, der am Defibrillatorkörper angeordnet ist und als Zubehör für die Aufbewahrung von Gegenständen dient, nicht alle Gegenstände aufnehmen kann, können die beiden Positionierungsschrauben aus den oberen Gewindepositionierungslöchern herausgeschraubt werden, und die U-förmige Stützinnenplatte kann nach unten gezogen werden, die U-förmige Stützinnenplatte treibt dann den einziehbaren Stützkasten an, um nach unten zu gleiten, bis die U-förmigen Begrenzungsstreifen durch die begrenzenden vertikalen Nuten an der Bewegung nach unten gehindert werden;

Schritt 2: die Positionierungsschrauben werden in die entsprechenden unteren Gewindepositionierungslöcher geschraubt, um den zweiten Auszugskasten zu befestigen; zu diesem Zeitpunkt befindet sich der zweite Auszugskasten unter dem ersten Auszugskasten; der zweite Auszugskasten kann herausgezogen werden, um den

Stauraum zu vergrößern;

Schritt 3: wenn keine Gegenstände im zweiten Auszugskasten gelagert werden, werden die Positionierungsschrauben aus den unteren Gewindepositionierungslöchern herausgeschraubt, die U-förmige Stützinnenplatte wird nach oben geschoben, bis der einziehbare Stützkasten und der zweite Auszugskasten in die rechteckige innere Nut gleiten, die Positionierungsschrauben werden verwendet, um in die oberen Gewindepositionierungslöcher zu schrauben, um den zweiten Auszugskasten zu befestigen.

DRAWINGS

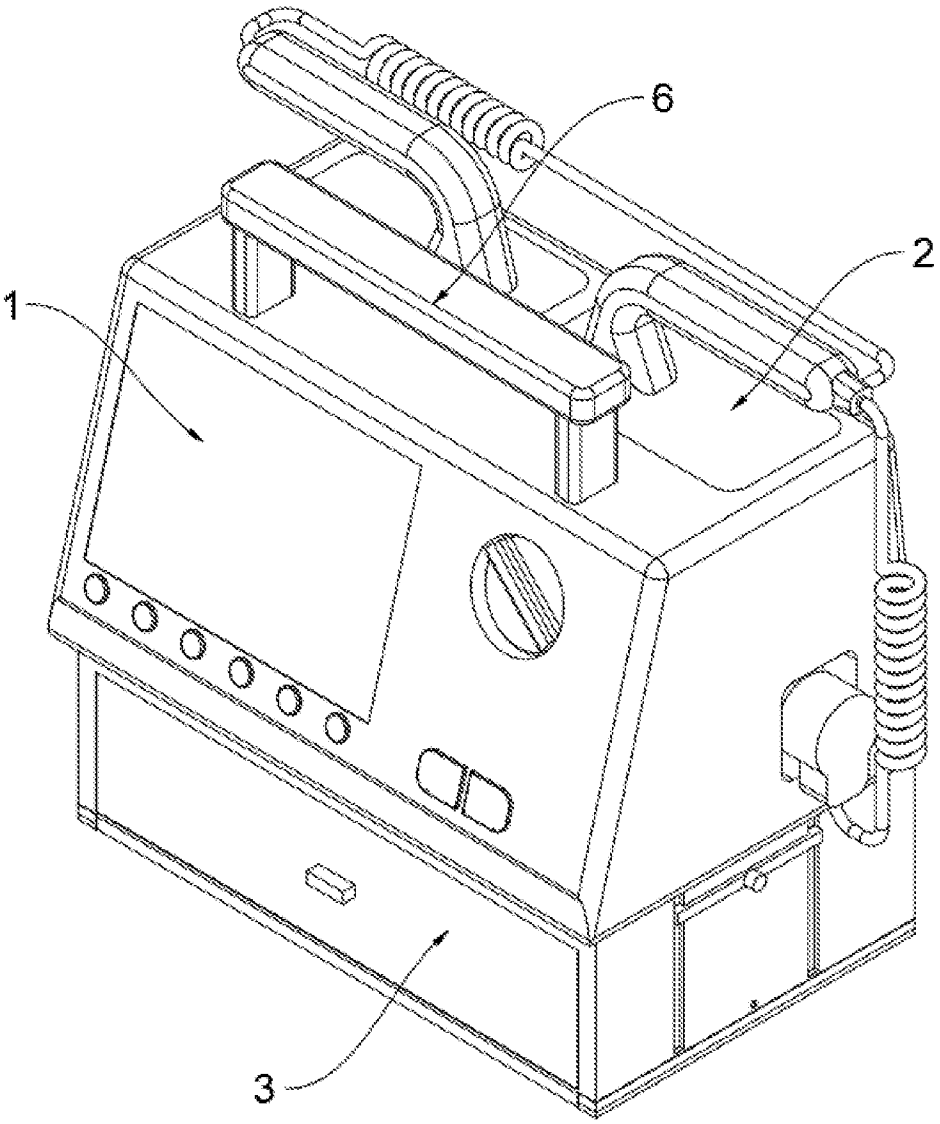

FIG. 1

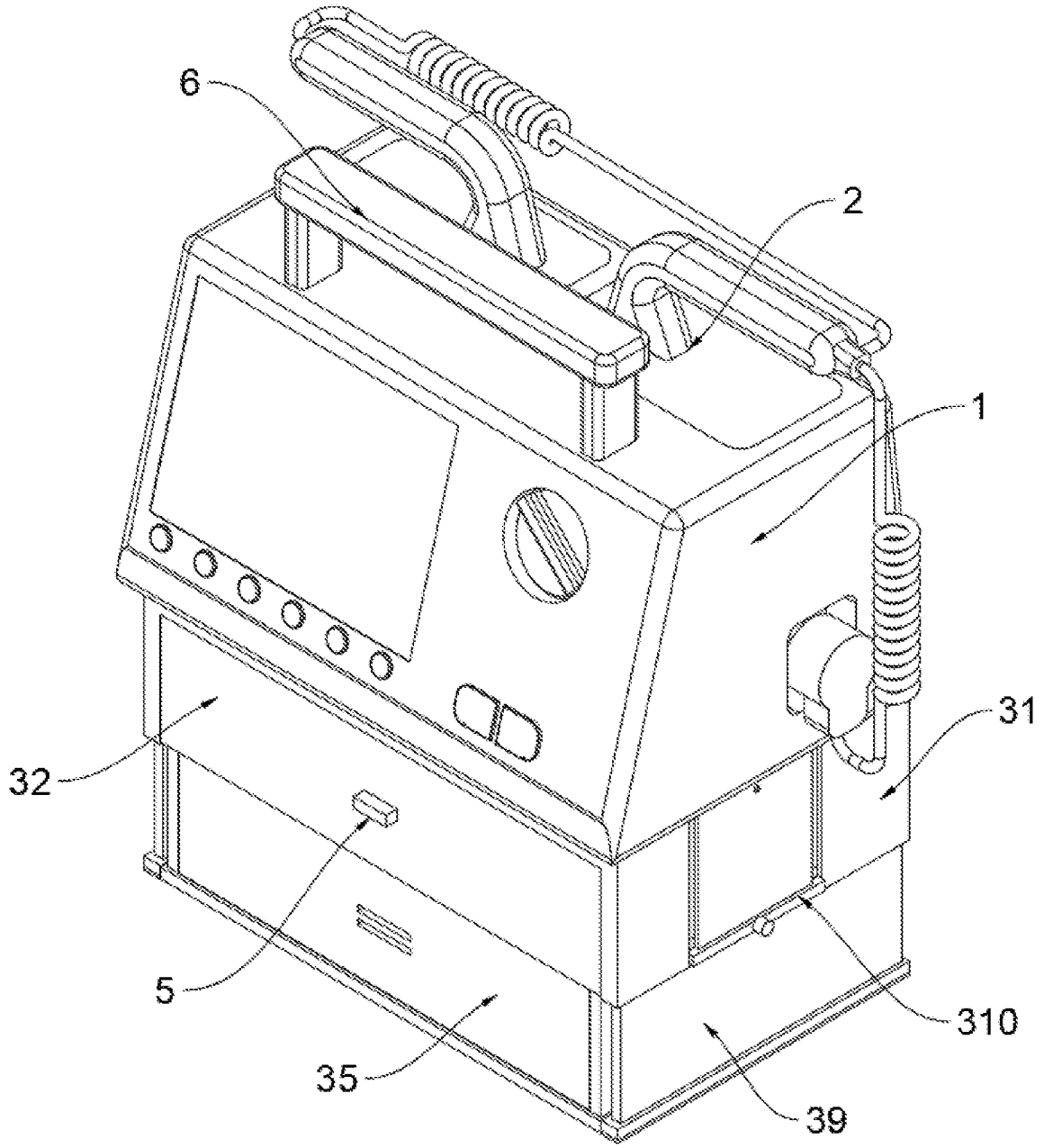

FIG. 2

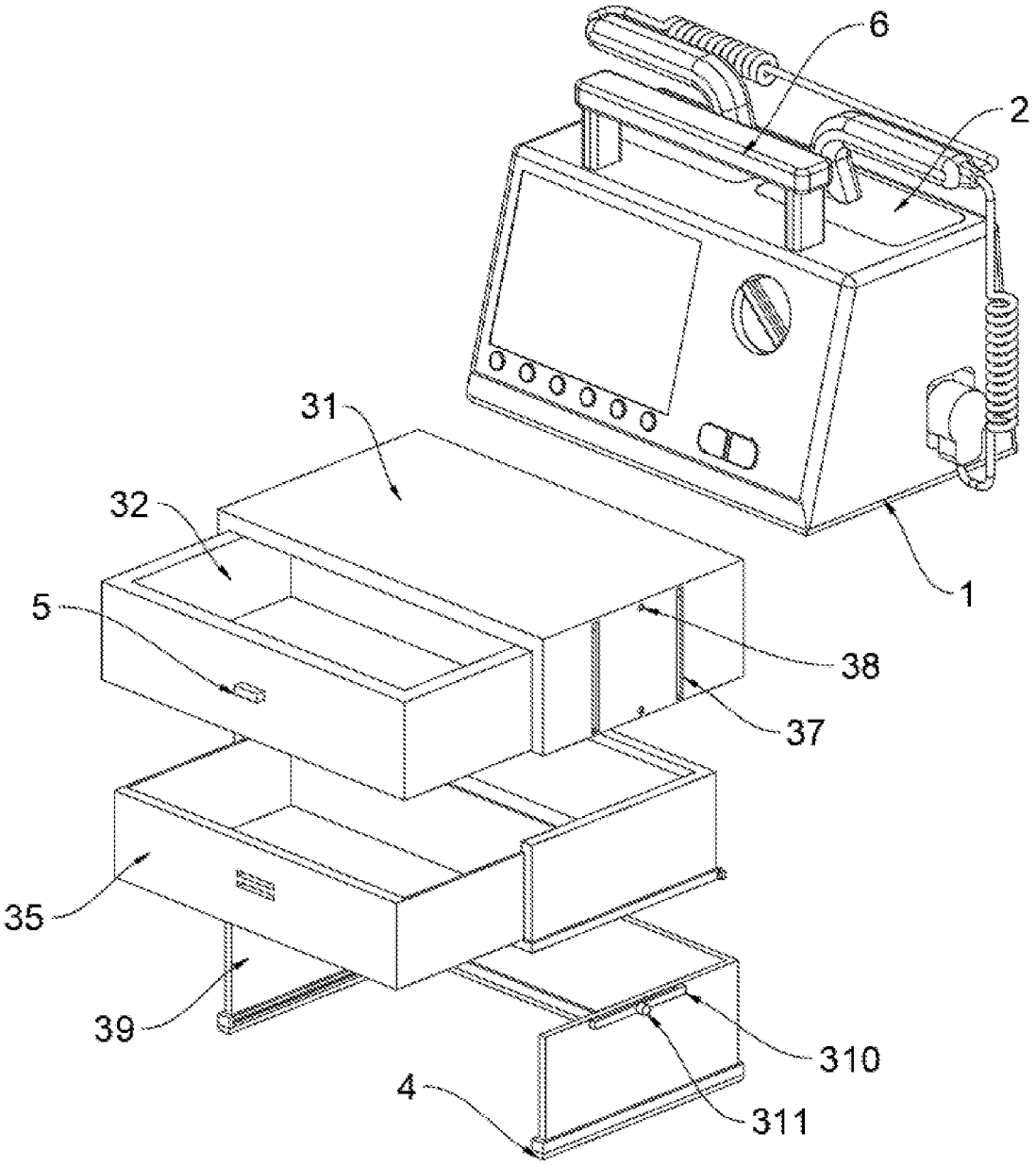

FIG. 3

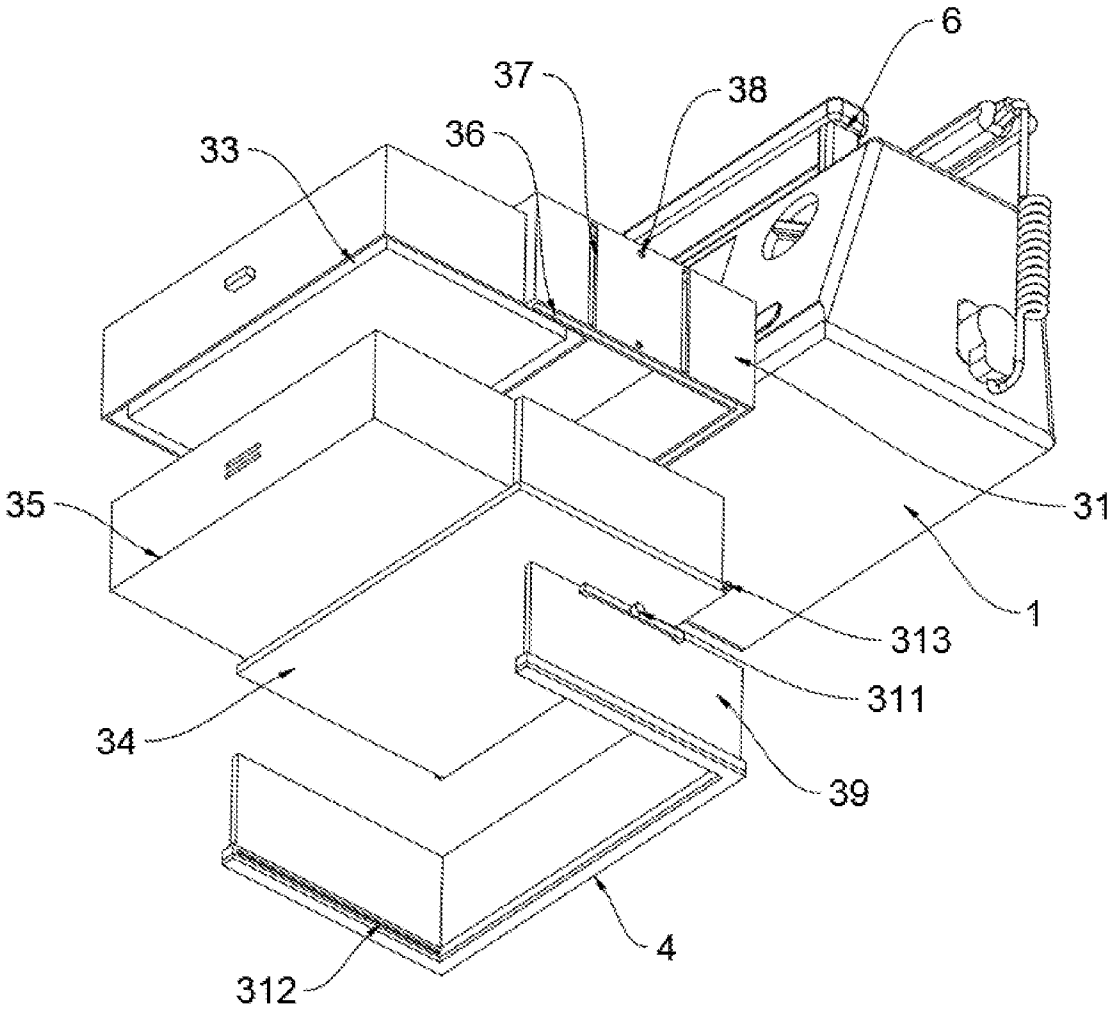

FIG. 4