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(54) **RECREATIONAL APPARATUS**

(57) A recreational apparatus includes a cabin unit (2), a stage (3) and a power unit (4). The cabin unit (2) includes a cabin body (21) that carries a user, and a door (22) that is mounted to an opening of the cabin body (21) and that is switchable between an open state and a closed state. The stage (3) is disposed beside the cabin unit (2), and includes an exhibition enclosure (31) that is

revealed to the user when the opening of the cabin body (21) is aligned with the exhibition enclosure (31) and when the door (22) is in the open state. The power unit (4) includes an actuator (41) that is disposed on the cabin unit (2) and that drives the cabin unit (2) to move vertically within a period during which the door (22) is in the closed state.

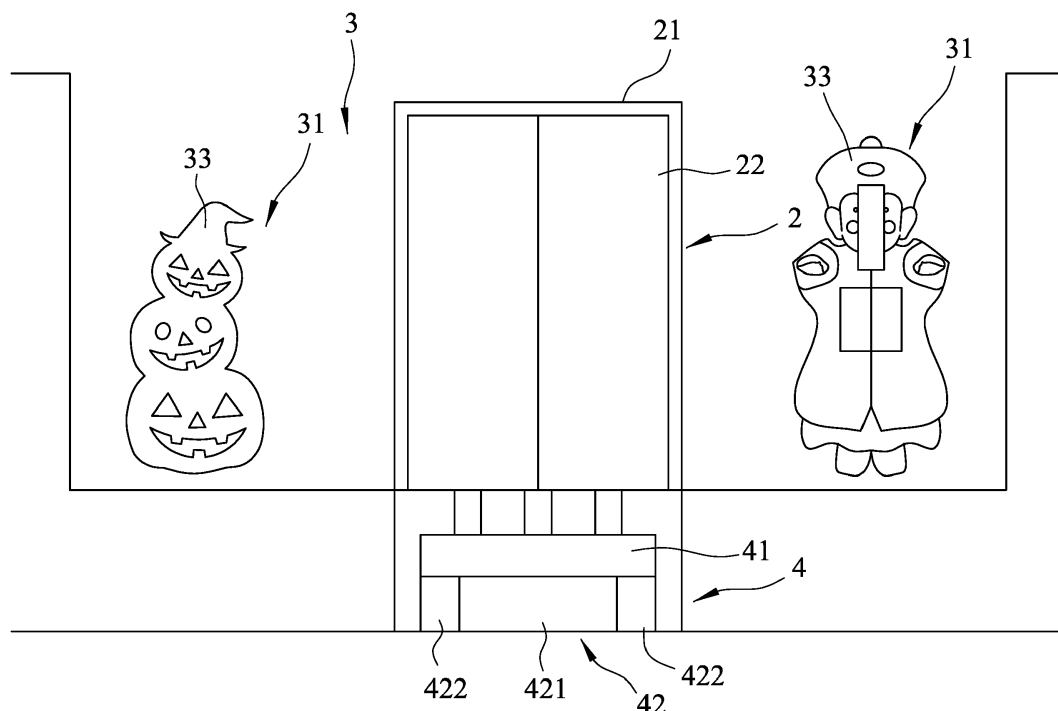


FIG.2

Description

[0001] The disclosure relates to a recreational apparatus, and more particularly to a recreational apparatus that simulates motions of an elevator.

[0002] Referring to Figure 1, a conventional recreational apparatus 1 is illustrated. The conventional recreational apparatus 1 includes an elevator 10 that has a door 101, a passage 13, and a plurality of rooms 11 that are set up with entertainment equipments 111. The entertainment equipments 111 may have appearances of scary spirits, ghosts, monsters or the like. In addition, the passage 13 and the rooms 11 are respectively located on different floors 12 of a building, and a user has to take the elevator 10 to be transferred between the different floors. The user is unaware of conditions outside the elevator 10 during the transfer because the door 101 is closed, and may be surprised by scenes that are presented with the help of the entertainment equipments 111 and that suddenly appear before the user's eyes as the door 101 opens when the elevator 10 stops at respective floors 12. However, setup of the conventional recreational apparatus 1 requires a lot of vertical space, limiting its application.

[0003] Therefore, an object of the disclosure is to provide a recreational apparatus that can alleviate at least one of the drawbacks of the prior art.

[0004] According to the disclosure, the recreational apparatus includes a cabin unit, a stage and a power unit. The cabin unit includes a cabin body that is configured to carry a user and that has an opening, and a door that is mounted to the opening of the cabin body and that is switchable between an open state and a closed state. The stage is disposed beside the cabin unit, and includes an exhibition enclosure that is configured to be revealed to the user when the opening of the cabin body is aligned with the exhibition enclosure and when the door is in the open state. The power unit includes an actuator that is disposed on the cabin unit and that is configured to drive the cabin unit to move vertically within a period during which the door is in the closed state.

[0005] By varying the moving speed of the cabin unit, utilizing mechanical operations or actions, and exploiting the human perception of motion and acceleration, the recreational apparatus of this disclosure enables a user who stays inside the cabin unit that moves up and down slightly in vertical directions to feel as if he/she is taking an ascending/descending elevator in a high-rise building. Therefore, the space required for setup of the recreational apparatus may be saved, enhancing the applicability of setup of the same.

[0006] Other features and advantages of the disclosure will become apparent in the following detailed description of the embodiments with reference to the accompanying drawings, of which:

Figure 1 is a schematic diagram illustrating a conventional recreational apparatus;

Figure 2 is a schematic side view of a first embodiment of a recreational apparatus according to the disclosure;

Figure 3 is a schematic top view of the first embodiment of the recreational apparatus according to the disclosure;

Figure 4 is a schematic top view of a variant of the first embodiment of the recreational apparatus according to the disclosure;

Figure 5 is a schematic top view of another variant of the first embodiment of the recreational apparatus according to the disclosure;

Figure 6 is a schematic top view of still another variant of the first embodiment of the recreational apparatus according to the disclosure;

Figure 7 is a schematic top view of further another variant of the first embodiment of the recreational apparatus according to the disclosure;

Figure 8 is a schematic top view of a second embodiment of the recreational apparatus according to the disclosure;

Figure 9 is a schematic side view of the second embodiment of the recreational apparatus according to the disclosure;

Figure 10 is a schematic top view of a variant of the second embodiment of the recreational apparatus according to the disclosure;

Figure 11 is a schematic top view of a third embodiment of the recreational apparatus according to the disclosure;

Figure 12 is a schematic top view of a variant of the third embodiment of the apparatus according to the disclosure;

Figure 13 is a schematic top view of another variant of the third embodiment of the recreational apparatus according to the disclosure; and

Figure 14 is a schematic top view of still another variant of the third embodiment of the recreational apparatus according to the disclosure.

[0007] Before the disclosure is described in greater detail, it should be noted that where considered appropriate, reference numerals or terminal portions of reference numerals have been repeated among the figures to indicate corresponding or analogous elements, which may optionally have similar characteristics.

[0008] Figures 2 and 3 are respectively a sectional side view and a top view of a first embodiment of a recreational apparatus according to this disclosure. The recreational apparatus includes a power unit 4, a cabin unit 2 mounted on the power unit 4, and a stage 3 disposed beside the cabin unit 2.

[0009] The cabin unit 2 includes a cabin body 21 that is configured to carry a user and that has an opening, and a door 22 that is mounted to the opening of the cabin body 21. In this embodiment, resilient components (not shown) are disposed at a bottom side or a surrounding side of the cabin body 21 so as to provide instability to

the cabin body 21 to mimic the slight shaking one would experience in an elevator. The door 22 is switchable between an open state and a closed state. It should be noted that the door 22 of the cabin unit 2 may be implemented to be a single-panel door that switches between the open state and the closed state by moving the single panel of the door 22 along a single axis, or a double-panel door that switches between the open state and the closed state based on relative movements of the two panels of the door 22. However, implementation of the door 22 is not limited to the disclosure herein and may vary in other embodiments based on the size of the cabin body 21, demands related to setup of the recreational apparatus, design style and theme, etc.

[0010] The stage 3 includes a plurality of exhibition enclosures 31, and a passage 32 via which the user gains access to the cabin unit 2. The exhibition enclosures 31, the passage 32 and the cabin unit 2 are disposed at substantially the same level of height, and the exhibition enclosures 31 and the passage 32 are disposed to equian-
gularly surround the cabin unit 2. The stage 3 further includes entertainment equipments 33 that are respectively disposed in the exhibition enclosures 31. Each of the entertainment equipments 33 is one of a display (e.g., an electronic visual display), an interactive scenery and a combination thereof. Each of the exhibition enclosures 31 is configured to be presented to the user when the opening of the cabin body 21 is aligned with the exhibition enclosure 31 and when the door 22 is in the open state. In this embodiment, the entertainment equipment 33 in each of the exhibition enclosures 31 is an interactive scenery as shown in Figures 2 and 3. The interactive scenery may be decorated as a haunted scenery with scary ghosts, a forest with cute animals, or outer space with planets and stars, and is activated when the door 22 is in the open state or when the user appears in a nearby region of the entertainment equipment 33. Similarly, in one embodiment, the entertainment equipment 33 in each of the exhibition enclosures 31 is a display, and is activated to display the aforementioned objects when the door 22 is in the open state or when the user approaches the entertainment equipment 33. It should be noted that the exhibition enclosures 31 are not limited to be disposed at substantially the same level of height, and can be disposed at different levels of height.

[0011] The power unit 4 includes an actuator 41 and a mover 42. The actuator 41 is disposed on a bottom side of the cabin unit 2, and is configured to drive the cabin unit 2 to move vertically within a period during which the door 22 is in the closed state. The actuator 41 may be implemented by a pneumatic cylinder or a cam, but is not limited thereto. The mover 42 is connected to the cabin unit 2, and is configured to bring the cabin unit 2 to move relative to the stage 3 and to stop at a position such that the opening faces the passage 32 or faces one of the exhibition enclosures 31. Specifically speaking, the actuator 41 of the power unit 4 is configured to drive the cabin unit 2 to move up and down vertically at least

once within the period, before the door 22 is switched to the open state. Referring to Figure 2, the mover 42 includes a rotational rod 421 supporting the actuator 41 and fixing the actuator 41 to the ground, and auxiliary wheels 422 around the rotational rod 421. With a power source that includes a motor (not shown) for driving rotation of the rotational rod 421 at a controllable speed, the mover 42 of the power unit 4 is configured to drive the cabin unit 2 to rotate about a longitudinal axis of the cabin unit 2, and to stop at a position such that the opening of the cabin body 21 faces one of the exhibition enclosures 31 or faces the passage 32. It should be noted that in one embodiment, the actuator 41 is configured to drive the cabin unit 2 to move vertically and horizontally at the same time, but movement of the cabin unit 2 is not limited to the disclosure herein and may vary in other embodiments. In the scenario where the exhibition enclosures 31 are disposed at different levels of height, the actuator 41 of the power unit 4 can be utilized to move the cabin unit 2 vertically so the cabin unit 2 may correspond to one of the exhibition enclosures 31 at different levels of height.

[0012] A procedure of operation of the first embodiment of the recreational apparatus is described as follows. At the beginning, the door 22 of the cabin unit 2 is in the open state and the opening of the cabin body 21 is aligned with the passage 32 to allow the user or users to move inside the cabin body 21. Then, the door 22 is transitioned to the closed state, isolating the users from the outside world of the cabin unit 2, creating a feeling of suspense. The actuator 41 of the power unit 4 then drives the cabin unit 2 to move up and down vertically multiple times so as to affect the user's acceleration perception and make the user feel as if he/she is taking an ascending/descending elevator. Independent of the actuator 41, the mover 42 of the power unit 4 drives the cabin unit 2 to rotate, starting from a position where the opening of the cabin body 21 faces the passage 32 and stopping at the position where the opening faces one of the exhibition enclosures 31. Additionally, a floor of the cabin body 21 is arranged to be substantially flush with a floor of the exhibition enclosure 31 when the cabin unit 2 is brought to a stop, so as to enable the user to conveniently move between the exhibition enclosure 31 and the cabin unit 2. After the power unit 4 stops driving movement of the cabin unit 2, the door 22 of the cabin unit 2 is transitioned to the open state, thereby revealing the entertainment equipment 33 disposed in the exhibition enclosure 31 to the user. The exhibition enclosure 31 may be implemented to allow the user to enter and interact with the entertainment equipment 33 when the entertainment equipment 33 is implemented as the interactive scenery. Alternatively, the exhibition enclosure 31 may be implemented to prohibit the user from entering, and the user is only permitted to look at the entertainment equipment 33, which is implemented as a display, from a distance. For example, when the door 22 of the cabin unit 2 is transitioned to the open state, the entertainment

equipment 33 may display a hanging object, which looks vividly like it is hanging from a ceiling of the cabin body 21, or the entertainment equipment 33 may display a movie clip so as to immerse the user in a story. However, implementations of the entertainment equipment 33 and the exhibition enclosure 31 are not limited to the disclosure described herein and may vary in other embodiments. When the door 22 of the cabin unit 2 is transitioned back to the closed state, the mover 42 of the power unit 4 drives the cabin unit 2 to rotate again, moving to a next one of the exhibition enclosures 31 or to the passage 32, and the aforementioned procedure of operation repeats. In this way, the recreational apparatus according to the disclosure provides flexibility of being set up in a limited space (e.g., a single level building) while providing the same, or a similar, experience to the user as the conventional recreational apparatus 1 (see Figure 1).

[0013] Referring to Figure 4, a variant of the first embodiment of the recreational apparatus according to the disclosure is illustrated. In this variant, the cabin unit 2 includes a plurality of the cabin bodies 21 that are annularly arranged, and a plurality of the doors 22 that are respectively mounted to the openings of the cabin bodies 21. The mover 42 of the power unit 4 is configured to bring the cabin bodies 21 of the cabin unit 2 to move relative to the stage 3, and to stop at a position such that the openings of the cabin bodies 21 respectively face the exhibition enclosures 31 and the passage 32, i.e., the opening of each of the cabin bodies 21 faces one of the exhibition enclosures 31 or faces the passage 32. Each of the doors 22 is switchable between the open state and the closed state. Each of the exhibition enclosures 31 is configured to be revealed to the user when the opening of one of the cabin bodies 21 which carries the user is aligned with the exhibition enclosure 31 and when the door 22 mounted to the opening of said one of the cabin bodies 21 is in the open state.

[0014] Referring to Figure 5, another variant of the first embodiment of the recreational apparatus according to the disclosure is illustrated. In this variant, two of the recreational apparatuses are utilized to function together. It should be noted that implementation of the number of the recreational apparatuses can be any plural number. One of the exhibition enclosures 31 or the passage 32 in one of the recreational apparatuses is spatially communicated with one of the exhibition enclosures 31 or the passage 32 in the other of the recreational apparatuses. For example, two adjacent ones of the exhibition enclosures 31 as shown in the middle of Figure 5 are spatially communicated with each other to form a larger area for the user to explore and thus experience more when the cabin unit 2 he/she walked in leads him/her to these two exhibition enclosures 31 in comparison to when the cabin unit 2 leads him/her to any of the other, isolated exhibition enclosures 31.

[0015] Referring to Figure 6, still another variant of the first embodiment of the recreational apparatus according to the disclosure is illustrated. The exhibition enclosures

31 and the passage 32 are disposed along a predefined path (A). In this variant, the predefined path (A) is implemented to be a straight line, and each of the entertainment equipments 33 is implemented as a display. The mover 42 of the power unit 4 is configured to bring the cabin unit 2 to move parallel to the predefined path (A) and to stop at a position such that the opening of the cabin body 21 faces one of the exhibition enclosures 31 or faces the passage 32.

[0016] Referring to Figure 7, further another variant of the first embodiment of the recreational apparatus according to the disclosure is illustrated. This variant is similar to the previous variant shown in Figure 6. However, in this variant, the predefined path (A) is implemented to be a curve, and the mover 42 of the power unit 4 is configured to bring the cabin unit 2 to rotate and to move parallel to the predefined path (A) and to stop at a position such that the opening of the cabin body 21 faces one of the exhibition enclosures 31 or faces the passage 32. The rotation of the cabin unit 2 is meant to orient itself so that the opening of the cabin body 21 faces one of the exhibition enclosures 31 or faces the passage 32.

[0017] It is worth to note that for the recreational apparatuses shown in Figures 6 and 7, implementation of mechanisms used for driving relative movements between the cabin unit 2 and the stage 3 is not limited to the disclosure herein and may vary in other embodiments. Vertical movement and horizontal movement of the cabin unit 2 can be implemented to be independently performed in an arbitrary order based on demand.

[0018] It is worth noting that design principles of the recreational apparatuses shown in Figures 3, 6 and 7 can be combined to function together based on demand, and the size and type of the available space for setting up the recreational apparatus. For example, two of the cabin units 2 may be implemented to be respectively located at two sides of the predefined path (A) along which the exhibition enclosures 31 and the passage 32 are disposed and which is implemented to be a straight line or a circle.

[0019] Referring to Figures 8 and 9, a second embodiment of the recreational apparatus according to the disclosure is illustrated. The second embodiment is similar to the first embodiment, with the differences outlined below.

[0020] The stage 3 further includes a platform 34 that is disposed next to the cabin unit 2. The exhibition enclosures 31 and the passage 32 are annularly arranged on the platform 34. The mover 42 of the power unit 4 is implemented to be a combination of wheels 423 and a rail 424 under the platform 34, and the wheels 423 are rotatably connected to the platform 34. Through rotation of the wheels 423, as powered by a power source (not shown), the mover 42 of the power unit 4 is configured to bring the platform 34 to move relative to the cabin unit 2 and to stop at a position such that one of the exhibition enclosures 31 or the passage 32 on the platform 34 faces the opening of the cabin body 21. In this embodiment,

the platform 34 of the stage 3 surrounds the cabin unit 2, and the mover 42 of the power unit 4 is configured to drive the platform 34 to rotate about the cabin unit 2 and to stop at a position such that one of the exhibition enclosures 31 or the passage 32 on the platform 34 faces the opening of the cabin body 21. Avoiding the complexity of involving both the actuator 41 and the mover 42 of the power unit 4 in driving (vertical and rotational) movements of the cabin body 21, this implementation which drives rotational movement of the platform 34 instead of the cabin body 21 has a relatively simpler mechanical design for separate driving mechanisms are used to move the platform 34 (by the wheels 423 and the rail 424), and to move the cabin unit 2 (by the actuator 41). Moreover, depending on space, a variation in structure may be effectuated such that multiple cabin units 2 are used with a single platform 34.

[0021] Referring to Figure 10, a variant of the second embodiment of the recreational apparatus according to the disclosure is illustrated. The platform 34 is implemented to be a conveyor belt or to be in a board-like form, and extends along a predefined path (A) at a distance from the cabin unit 2. The exhibition enclosures 31 and the passage 32 are disposed on the platform 34 along the predefined path (A). The mover 42 of the power unit 4 (see Figure 9) is configured to bring the platform 34 to move and/or to rotate along the predefined path (A) and to stop at a position such that one of the exhibition enclosures 31 or the passage 32 on the platform 34 faces the opening of the cabin body 21. Such kind of driving mechanism has a simple mechanical design. Sensing only vertical movements (without sensing horizontal or rotational movements that would normally not occur in an elevator), the user in the cabin unit 2 may have a more immersive experience during use of the recreational apparatus. Compared with the first embodiment, the platform 34 of the second embodiment provides different ways of setting up the exhibition enclosures 31 (and the passage 32) relative to the cabin unit 2.

[0022] Referring to Figure 11, a third embodiment of the recreational apparatus according to the disclosure is illustrated. The third embodiment is similar to the first embodiment, and differs from the first embodiment in the following.

[0023] The stage 3 includes a single exhibition enclosure 31 and a single passage 32. The cabin body 21 has two openings that face the exhibition enclosure 31 and the passage 32, respectively, and the cabin unit 2 includes two doors 22 that are mounted respectively to the openings of the cabin body 21, and that are spaced apart from and opposite to each other. The doors 22 are independently switchable between the open state and the closed state. One of the doors 22 mounted to the opening that faces the passage 32 is configured to allow the user to pass therethrough to enter the cabin unit 2 when said one of the doors 22 is in the open state. The mover 42 of the power unit 4 is omitted in this embodiment. The actuator 41 of the power unit 4 is configured to drive the

cabin unit 2 to move up and down vertically within the period during which the doors 22 are both in the closed state. Subsequently, the other one of the doors 22 mounted to the opening that faces the exhibition enclosure 31 is configured to allow the user to enter and experience the exhibition enclosure 31 when said the other one of the doors 22 is in the open state. For using only one exhibition enclosure 31 and for requiring movement of the cabin unit 2 in a single dimension only, this embodiment may have a simple mechanical design and may have a small size, saving cost and space in setup of the recreational apparatus.

[0024] Referring to Figure 12, a variant of the third embodiment of the recreational apparatus according to the disclosure is illustrated. In this variant, the stage 3 includes a plurality of the exhibition enclosures 31, and the exhibition enclosures 31 and the passage 32 are disposed to surround the cabin unit 2. The mover 42 of the power unit 4 (see Figure 3) is connected to the cabin unit 2, and is configured to bring the cabin unit 2 to move relative to the stage 3 and to stop at a position such that the openings of the cabin body 21 respectively face two items selected from a group consisting of the exhibition enclosures 31 and the passage 32. The doors 22 of the cabin unit 2 can be simultaneously transitioned to the open state so that two of the exhibition enclosures 31 are revealed to the user at the same time. However, in some embodiments, the doors 22 of the cabin unit 2 may be implemented to be transitioned to the open state or the closed state, independently or in order. In practice, when the openings of the cabin body 21 face two of the exhibition enclosures 31, transitioning the doors 22 to the open state at the same time may induce feelings of pressure and excitement for being surrounded. Sometimes, when the user is paying attention to one of the exhibition enclosures 31 via one of the doors 22 of the cabin unit 2 that has been transitioned to the open state, suddenly transitioning the other one of the doors 22 of the cabin unit 2 at the back of the user to the open state may surprise the user, creating a thrilling sensation. It is worthy to note that the passage 32 may be implemented to be plural in number so as to facilitate efficient entering and exiting of users into and out of the cabin unit 2 at the same time.

[0025] Referring to Figure 13, another variant of the third embodiment of the recreational apparatus according to the disclosure is illustrated. In this variant, the exhibition enclosures 31 and the passage 32 are arranged at two lateral sides of and parallel to a predefined path (A) that is implemented to be a straight line. The cabin unit 2 is brought to move along the predefined path (A), and to stop at a position such that the openings of the cabin body 21 respectively face two items selected from a group consisting of the exhibition enclosures 31 and the passage 32. In this case, the doors 22 of the cabin unit 2 may open at the same time.

[0026] Referring to Figure 14, still another variant of the third embodiment of the recreational apparatus ac-

cording to the disclosure is illustrated. Similar to the variant of the first embodiment shown in Figure 5, two of the recreational apparatuses are utilized in this variant of the third embodiment. However, since in the variation depicted in Figure 14, the number of doors 22 in each of the cabin units 2 doubled in comparison to that shown in Figure 5, formation of a longer route for the user to explore the exhibition enclosures 31 is enabled, thereby upgrading user experience. It should be noted that the number of doors 22 may be changed based on demand.

[0027] In summary, to entertain the user, the recreational apparatus utilizes the actuator 41 to drive the cabin unit 2 to move up and down when the door 22 of the cabin unit 2 is in the closed state, and reveals the exhibition enclosure 31 to the user when the opening of the cabin body 21 is aligned with the exhibition enclosure 31 and when the door 22 is in the open state. Moreover, since, in one setup, the exhibition enclosure 31, the passage 32 and the cabin unit 2 are disposed at substantially the same level of height, restrictions imposed by limited vertical space may be alleviated.

[0028] In the description above, for the purposes of explanation, numerous specific details have been set forth in order to provide a thorough understanding of the embodiments. It will be apparent, however, to one skilled in the art, that one or more other embodiments may be practiced without some of these specific details. It should also be appreciated that reference throughout this specification to "one embodiment," "an embodiment," "an embodiment with an indication of an ordinal number and so forth" means that a particular feature, structure, or characteristic may be included in the practice of the disclosure. It should be further appreciated that in the description, various features are sometimes grouped together in a single embodiment, figure, or description thereof for the purpose of streamlining the disclosure and aiding in the understanding of various inventive aspects, and that one or more features or specific details from one embodiment may be practiced together with one or more features or specific details from another embodiment, where appropriate, in the practice of the disclosure.

Claims

1. A recreational apparatus **characterized by:**

a cabin unit (2) including a cabin body (21) that is configured to carry a user and that has an opening, and a door (22) that is mounted to the opening of the cabin body (21) and that is switchable between an open state and a closed state; a stage (3) disposed beside the cabin unit (2), and including an exhibition enclosure (31) that is configured to be revealed to the user when the opening of the cabin body (21) is aligned with the exhibition enclosure (31) and when the door (22) is in the open state; and

a power unit (4) including an actuator (41) that is disposed on the cabin unit (2) and that is configured to drive the cabin unit (2) to move vertically within a period during which the door (22) is in the closed state.

2. The recreational apparatus as claimed in claim 1, **characterized in that** the actuator (41) of the power unit (4) is configured to drive the cabin unit (2) to move up and down at least once vertically within the period, before the door (22) is switched to the open state.

3. The recreational apparatus as claimed in claim 1, **characterized in that** the stage (3) further includes a passage (32) via which the user gains access to the cabin unit (2), and that the exhibition enclosure (31), the passage (32) and the cabin unit (2) are disposed at substantially the same level of height.

4. The recreational apparatus as claimed in claim 3, **characterized in that** the power unit (4) further includes a mover (42) that is connected to the cabin unit (2) and that is configured to bring the cabin unit (2) to move relative to the stage (3) and to stop at a position such that the opening of the cabin body (21) faces one of the passage (32) and the exhibition enclosure (31).

5. The recreational apparatus as claimed in claim 4, further **characterized in that:**

the exhibition enclosure (31) and the passage (32) are disposed to surround the cabin unit (2); and

the mover (42) of the power unit (4) is configured to drive the cabin unit (2) to rotate about a longitudinal axis of the cabin unit (2) and to stop at a position such that the opening of the cabin body (21) faces one of the exhibition enclosure (31) and the passage (32).

6. The recreational apparatus as claimed in claim 4, further **characterized in that:**

the exhibition enclosure (31) and the passage (32) are arranged along a predefined path (A); and

the mover (42) of the power unit (4) is configured to bring the cabin unit (2) to move parallel to the predefined path (A) and to stop at a position such that the opening of the cabin body (21) faces one of the exhibition enclosure (31) and the passage (32).

7. The recreational apparatus as claimed in claim 4, further **characterized in that:**

the exhibition enclosure (31) and the passage (32) are arranged along a predefined path (A); and
the mover (42) of the power unit (4) is configured to bring the cabin unit (2) to rotate and to move parallel to the predefined path (A) and to stop at a position such that the opening of the cabin body (21) faces one of the exhibition enclosure (31) and the passage (32).

8. The recreational apparatus as claimed in claim 3, further **characterized in that**:

the cabin body (21) has two of the openings, and the cabin unit (2) includes two of the doors (22) that are mounted respectively to the openings of the cabin body (21) and that are spaced apart from each other, the doors (22) being independently switchable between the open state and the closed state, one of the doors (22) being configured to allow the user to pass therethrough to enter the cabin unit (2) when the respective one of the openings is aligned with the passage (32) and when said one of the doors (22) is in the open state; and
the actuator (41) of the power unit (4) is configured to drive the cabin unit (2) to move vertically within the period during which the doors (22) are both in the closed state.

9. The recreational apparatus as claimed in claim 8, further **characterized in that** the stage (3) includes a plurality of the exhibition enclosures (31), and the power unit (4) further includes a mover (42) that is connected to the cabin unit (2) and that is configured to bring the cabin unit (2) to move relative to the stage (3) and to stop at a position such that the openings of the cabin body (21) respectively face two items selected from a group consisting of the exhibition enclosures (31) and the passage (32).

10. The recreational apparatus as claimed in claim 3, further **characterized in that**:

the stage (3) further includes a platform (34) that is disposed next to the cabin unit (2), the exhibition enclosure (31) and the passage (32) being disposed on the platform (34); and
the power unit (4) further includes a mover (42) that is connected to the platform (34) and that is configured to bring the platform (34) to move relative to the cabin unit (2) and to stop at a position such that one of the exhibition enclosure (31) and the passage (32) on the platform (34) faces the opening of the cabin body (21).

11. The recreational apparatus as claimed in claim 10, further **characterized in that**:

the platform (34) of the stage (3) surrounds the cabin unit (2); and
the mover (42) of the power unit (4) is configured to drive the platform (34) of the stage (3) to rotate about the cabin unit (2) and to stop at a position such that one of the exhibition enclosure (31) and the passage (32) on the platform (34) faces the opening of the cabin body (21).

12. The recreational apparatus as claimed in claim 10, further **characterized in that**:

the platform (34) of the stage (3) extends along a predefined path (A) at a distance from the cabin unit (2); and
the mover (42) of the power unit (4) is configured to bring the platform (34) to move along the predefined path (A) and to stop at a position such that one of the exhibition enclosure (31) and the passage (32) on the platform (34) faces the opening of the cabin body (21).

13. The recreational apparatus as claimed in claim 10, further **characterized in that**:

the platform (34) of the stage (3) extends along a predefined path (A) at a distance from the cabin unit (2); and
the mover (42) of the power unit (4) is configured to bring the cabin unit (2) to rotate and to move parallel to the predefined path (A) and to stop at a position such that one of the exhibition enclosure (31) and the passage (32) on the platform (34) faces the opening of the cabin body (21).

14. The recreational apparatus as claimed in claim 3, further **characterized in that**:

the cabin unit (2) includes a plurality of the cabin bodies (21) and a plurality of the doors (22); the doors (22) are respectively mounted to the openings of the cabin bodies (21) and each of the doors (22) is switchable between the open state and the closed state; and
the stage (3) includes a plurality of the exhibition enclosures (31), each of the exhibition enclosures (31) being configured to be revealed to the user when the opening of one of the cabin bodies (21) which carries the user is aligned with the exhibition enclosure (31) and when the door (22) mounted to the opening of said one of the cabin bodies (21) is in the open state.

15. The recreational apparatus as claimed in claim 14, further **characterized in that** the power unit (4) further includes a mover (42) that is connected to the cabin unit (2) and that is configured to bring the cabin unit (2) to move relative to the stage (3) and to stop

at a position such that the openings of the cabin bodies (21) respectively face the exhibition enclosures (31) and the passage (32).

16. The recreational apparatus as claimed in claim 1, 5
characterized in that the stage (3) further includes
an entertainment equipment (33) that is disposed in
the exhibition enclosure (31) and that is one of a
display, an interactive scenery and a combination
thereof. 10

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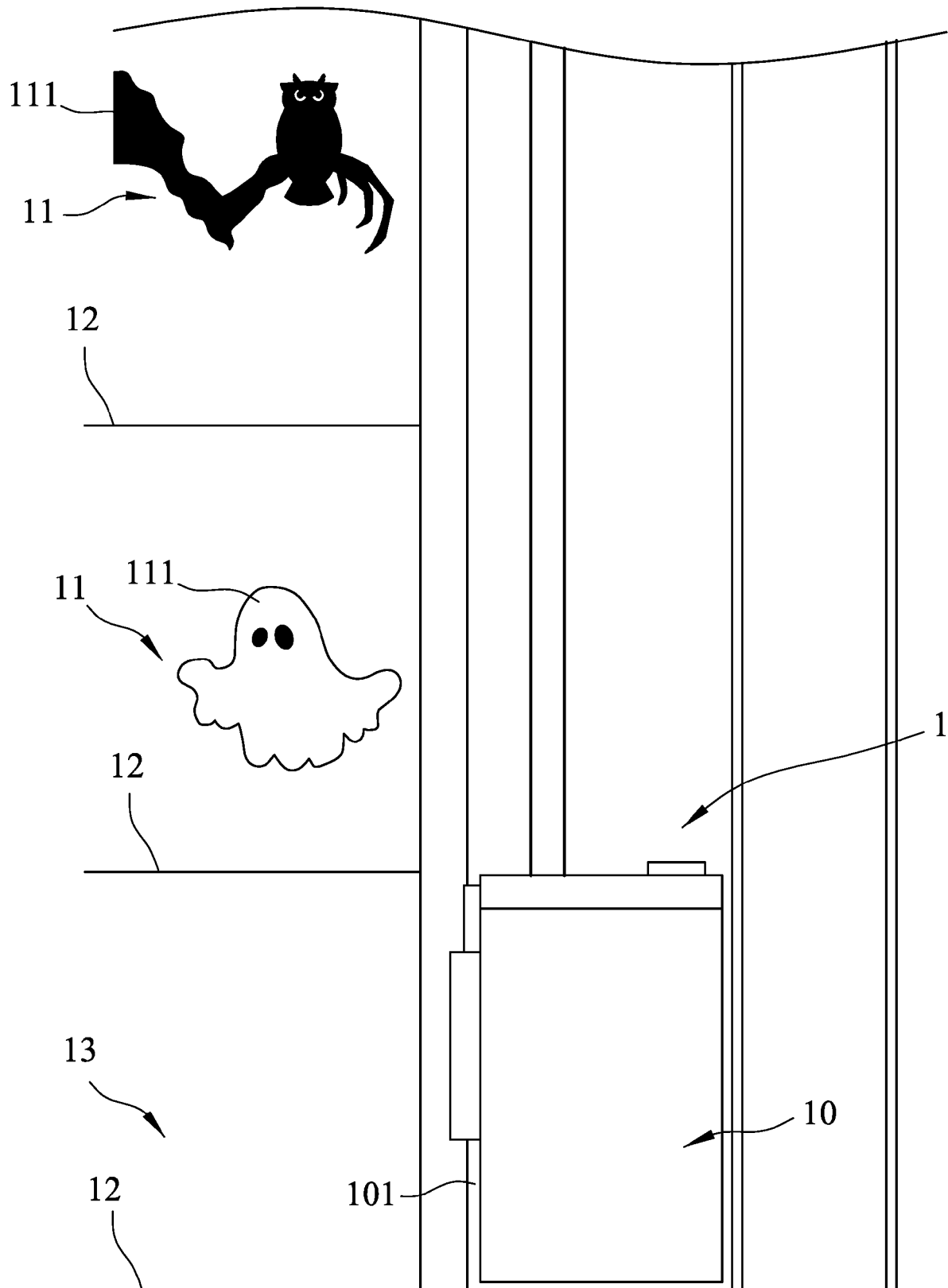


FIG.1

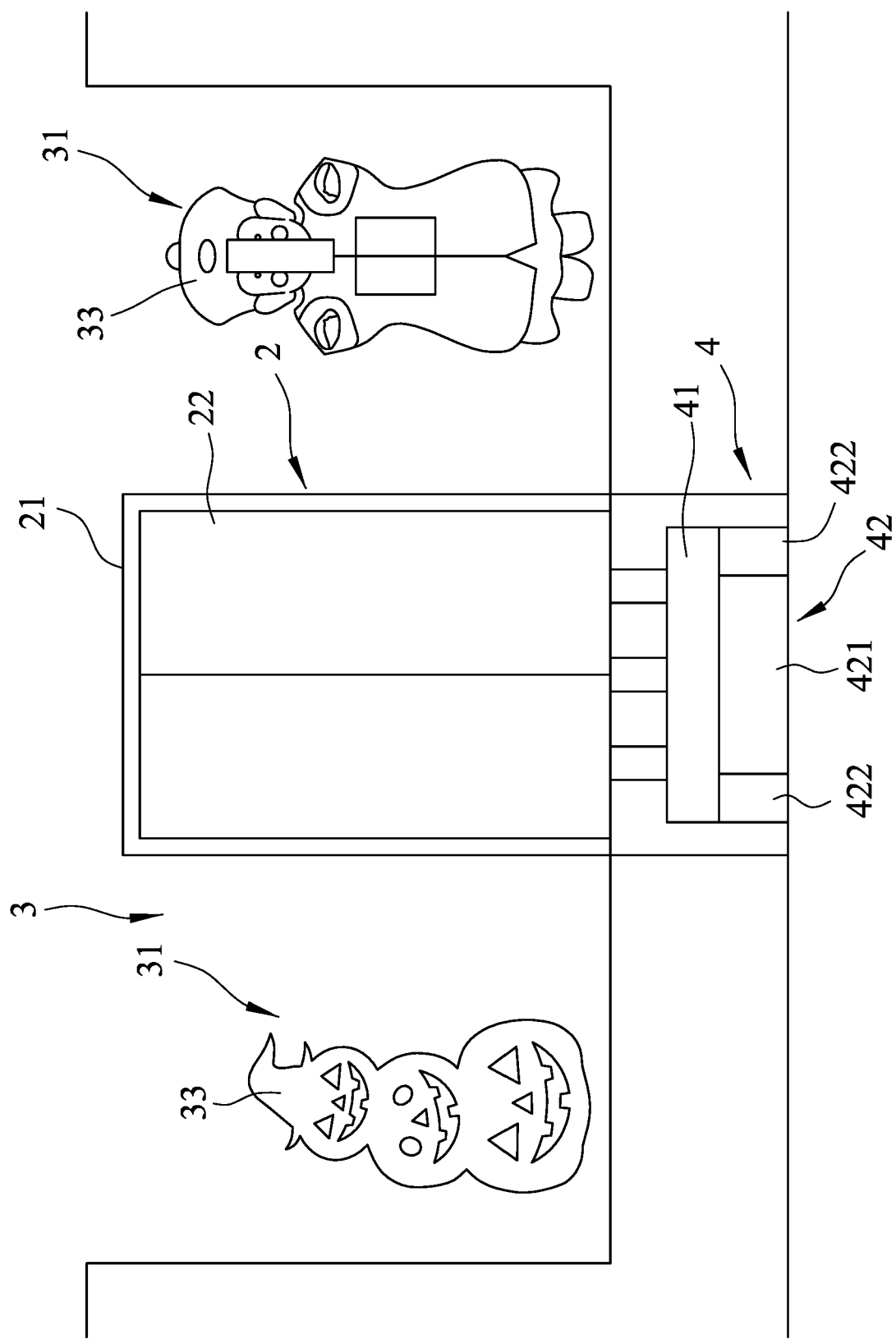


FIG.2

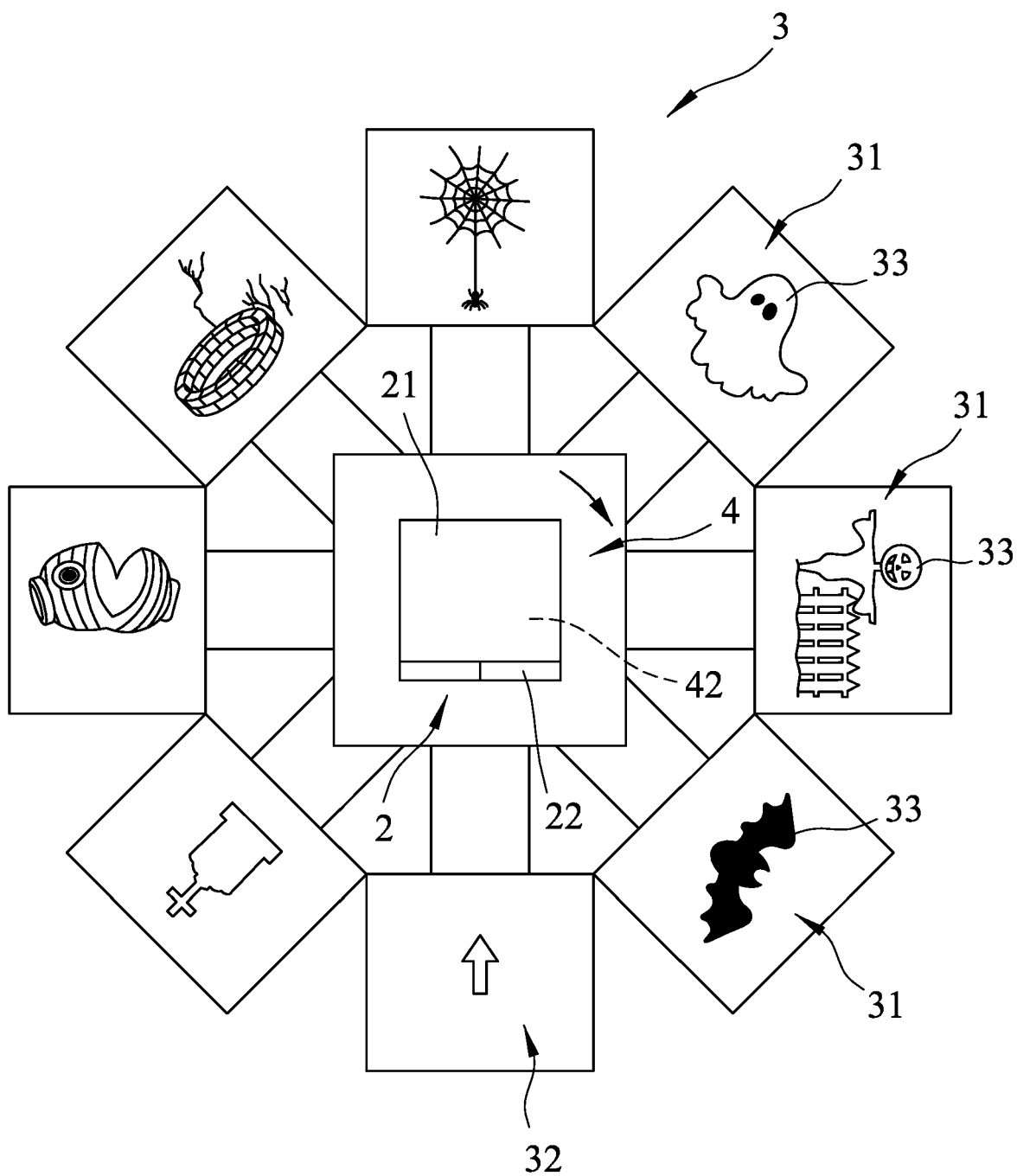


FIG.3

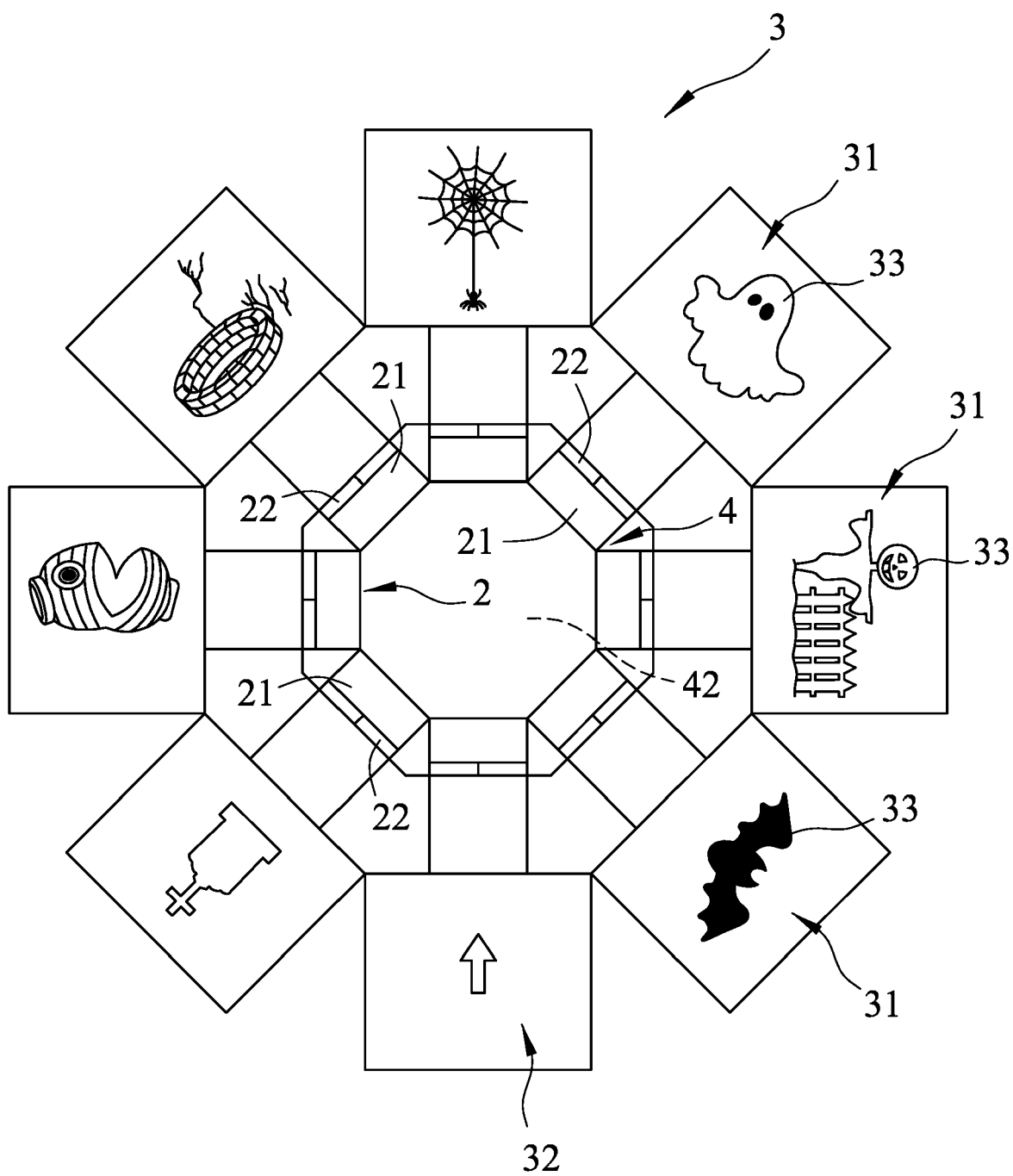
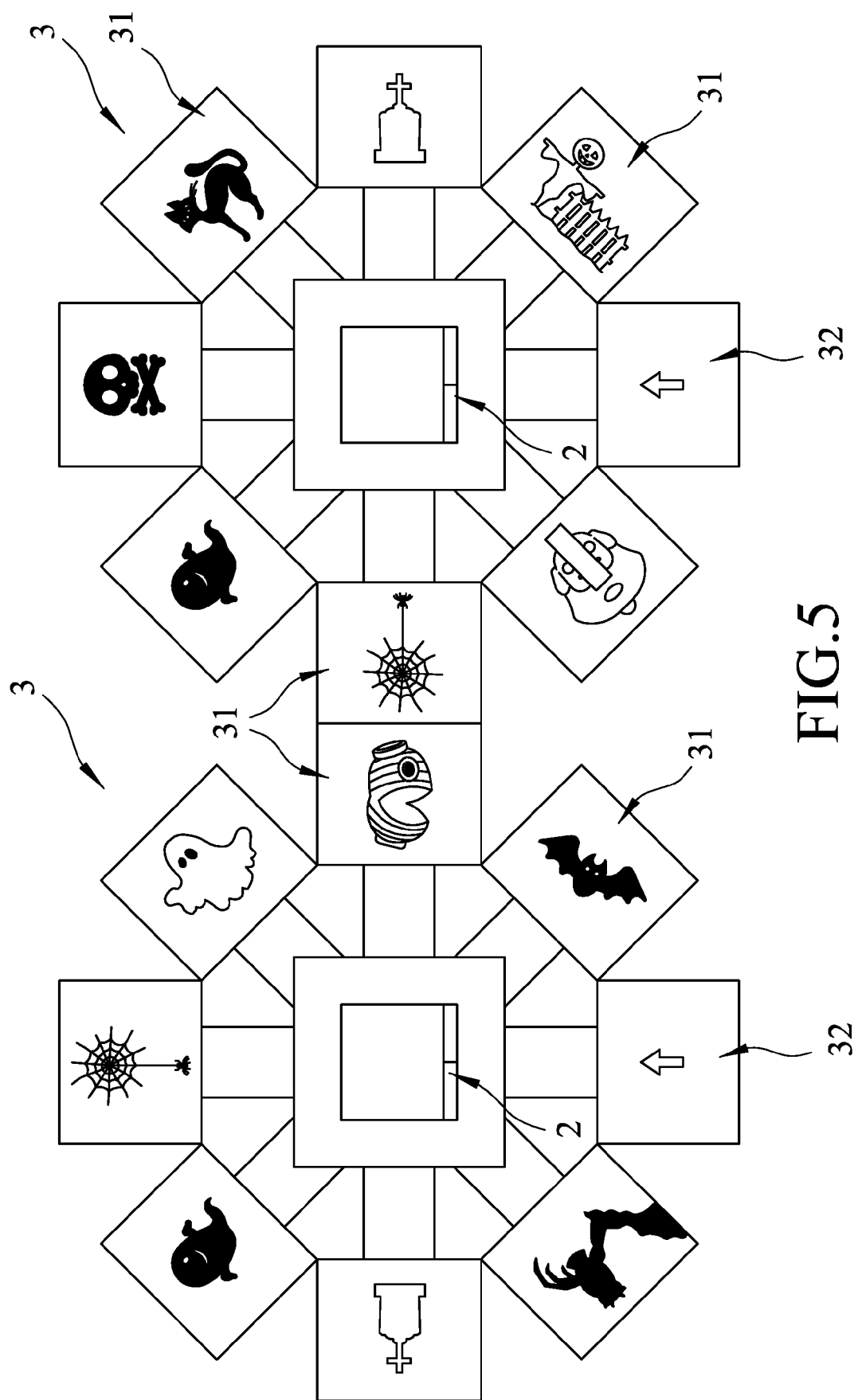
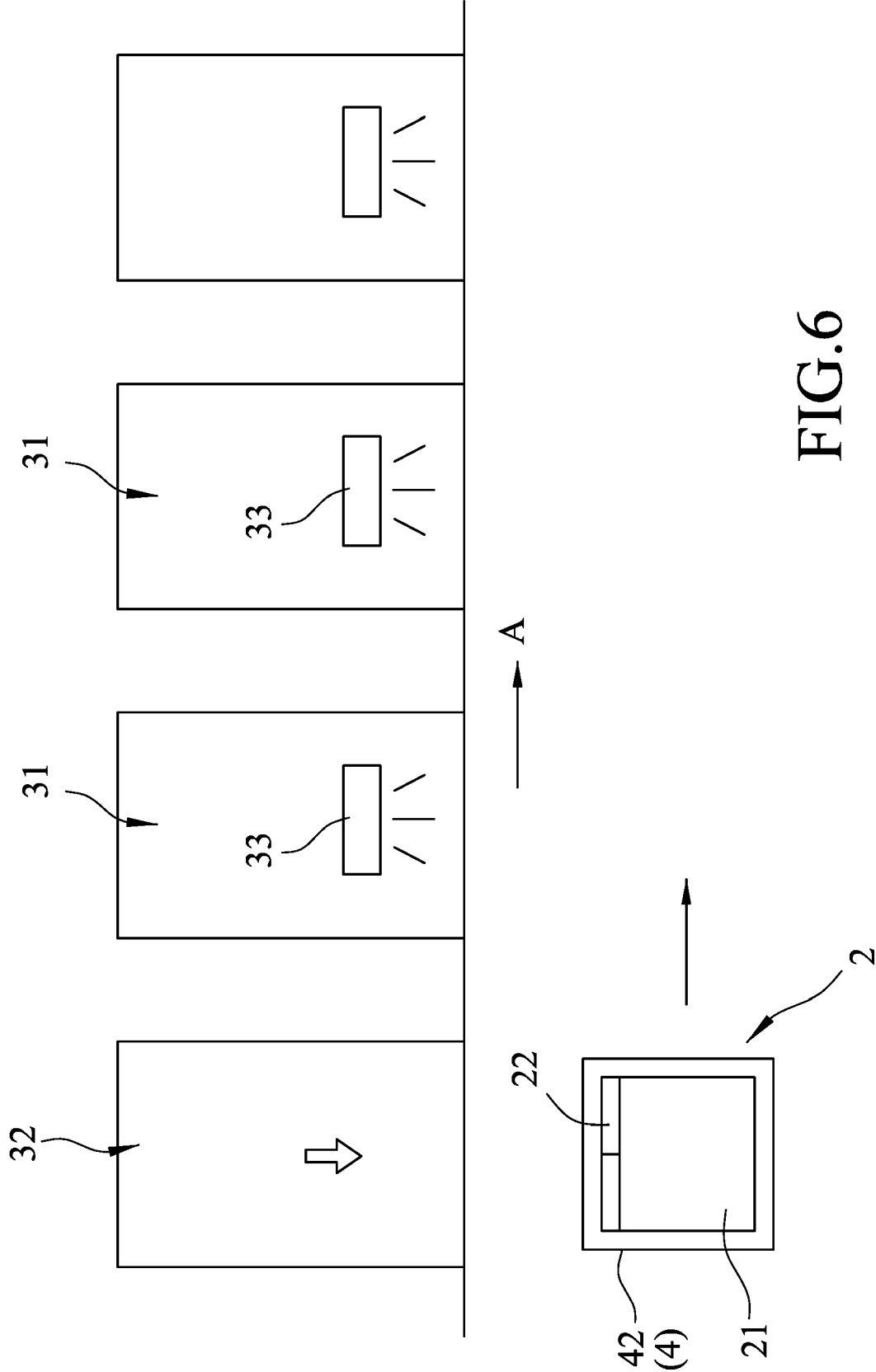


FIG.4





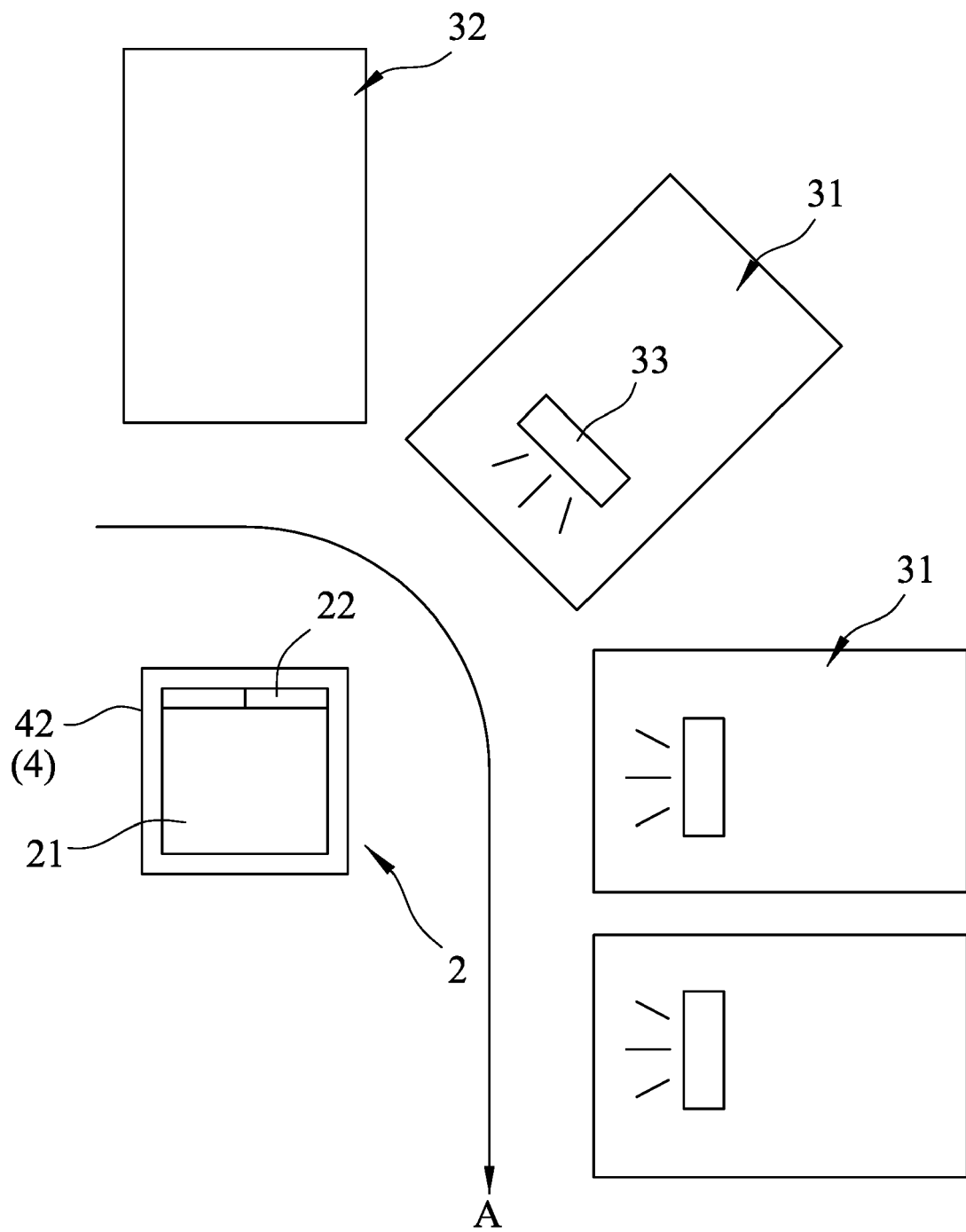


FIG.7

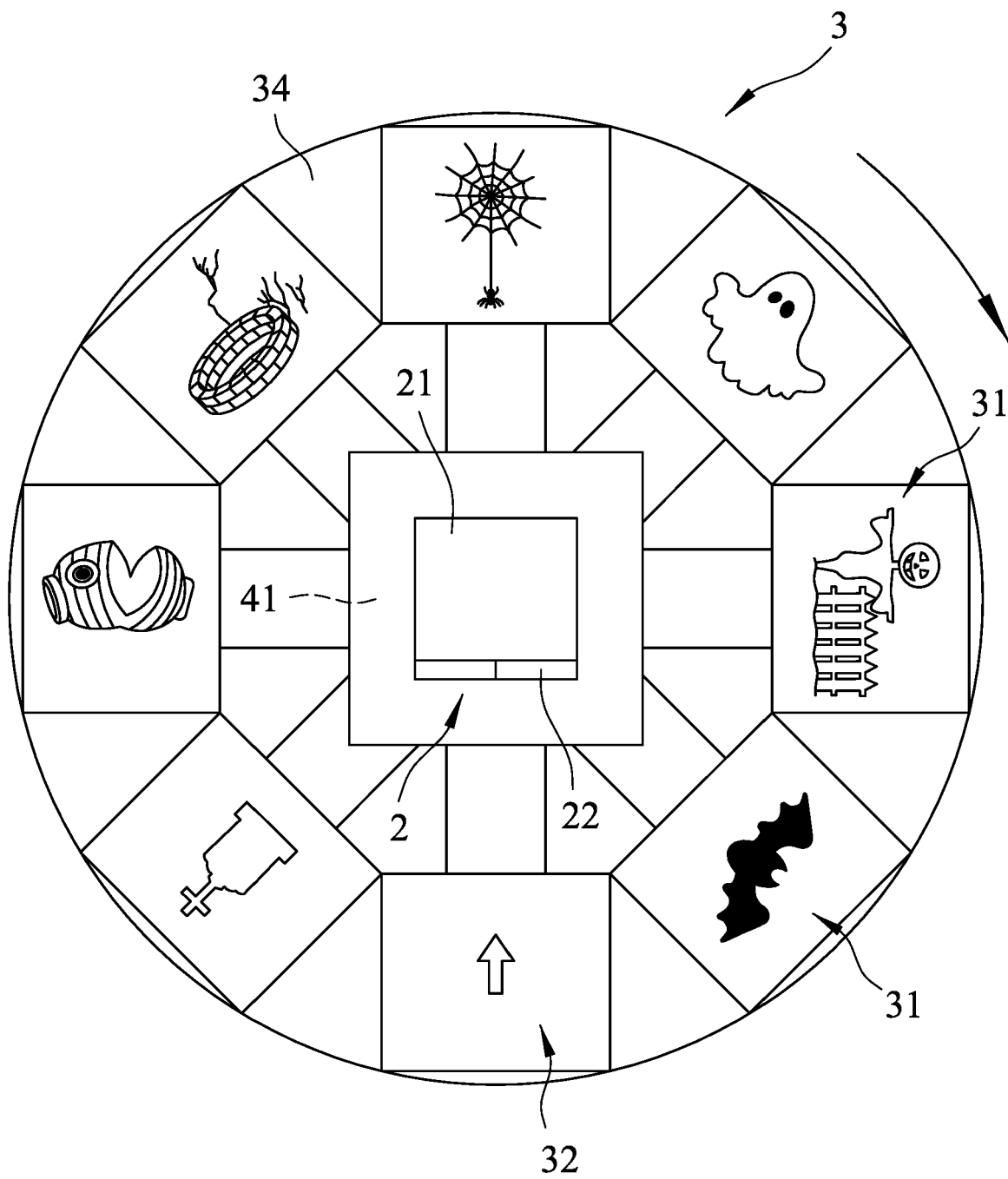


FIG. 8

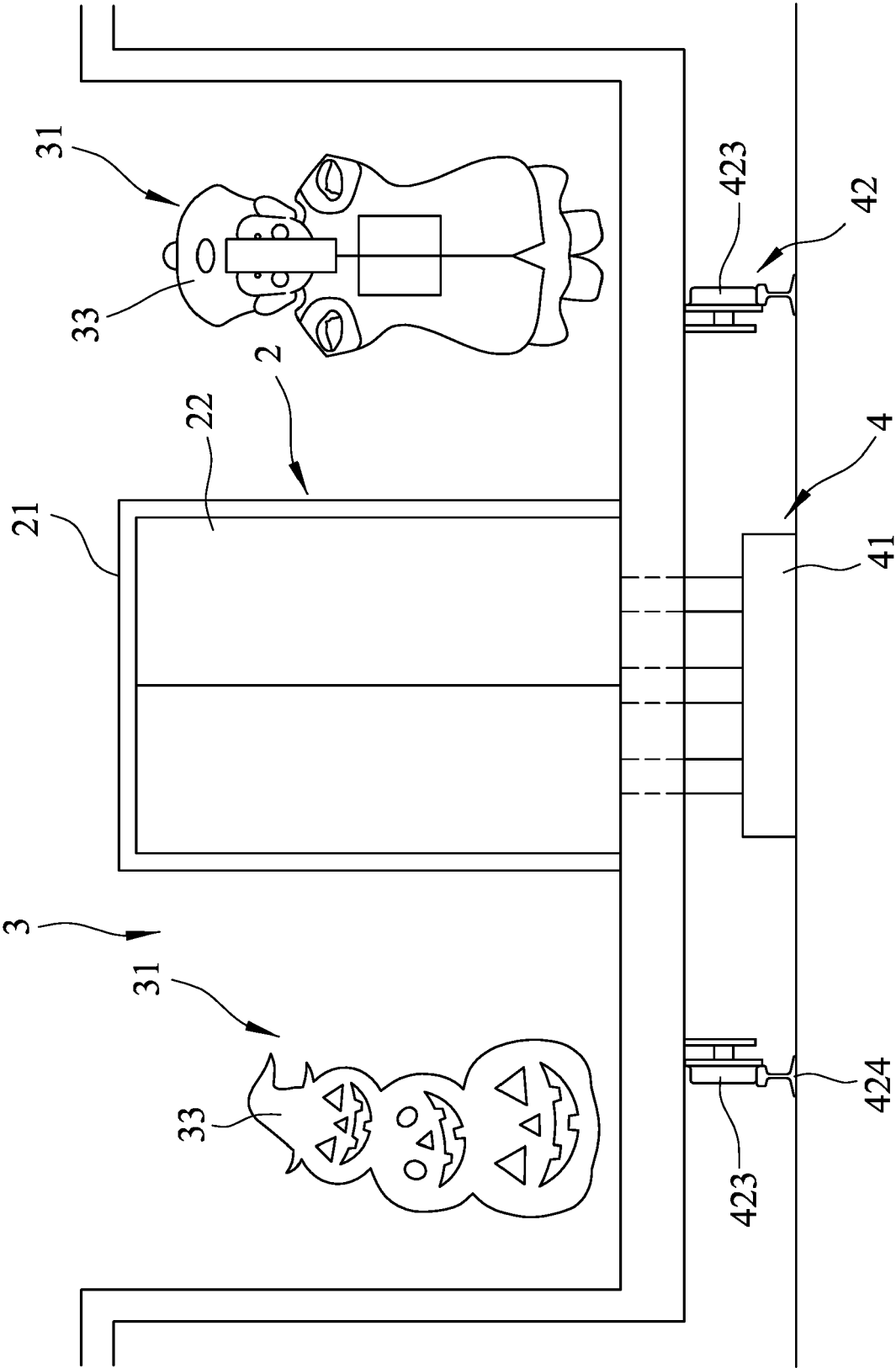


FIG.9

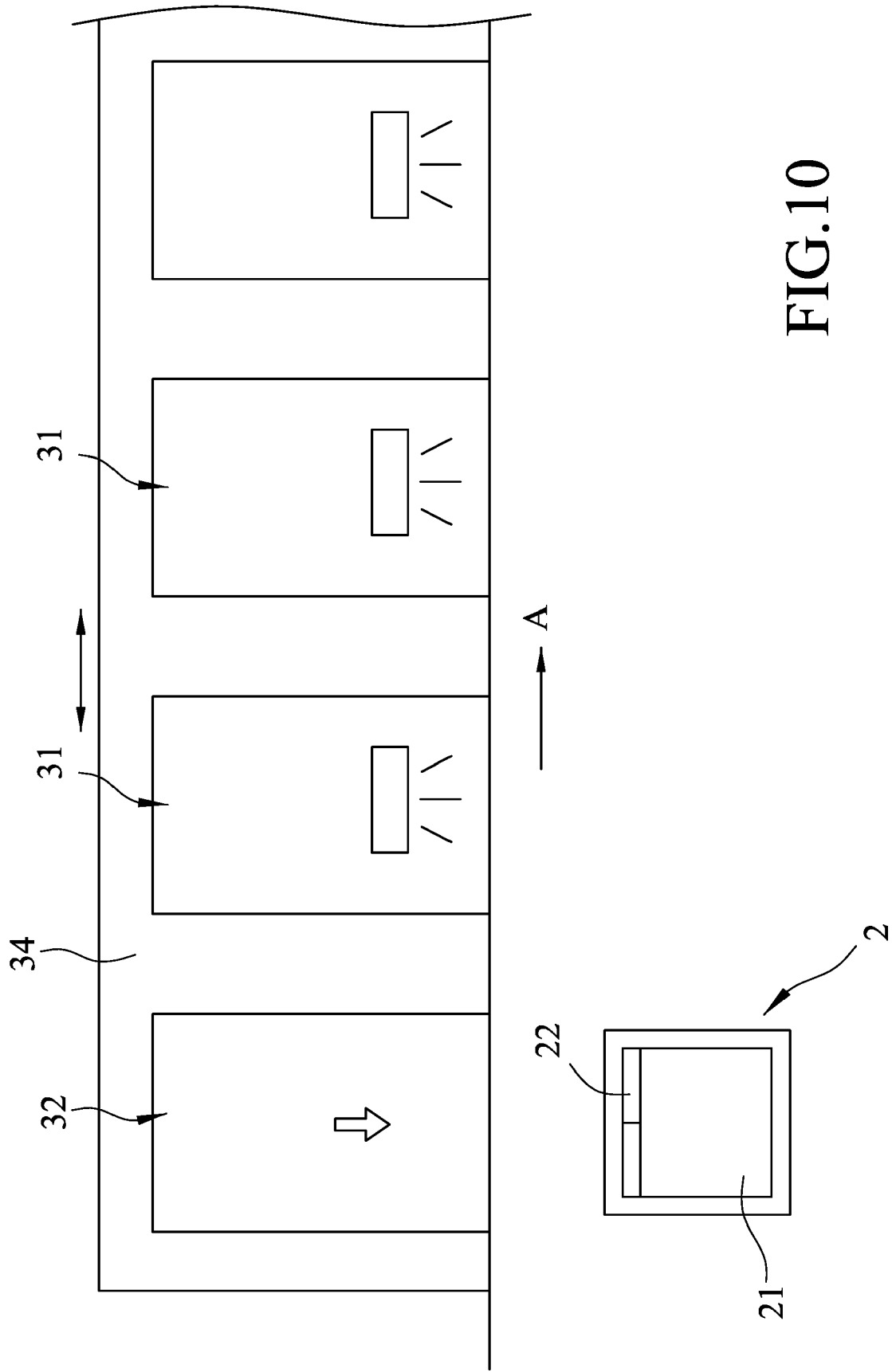


FIG.10

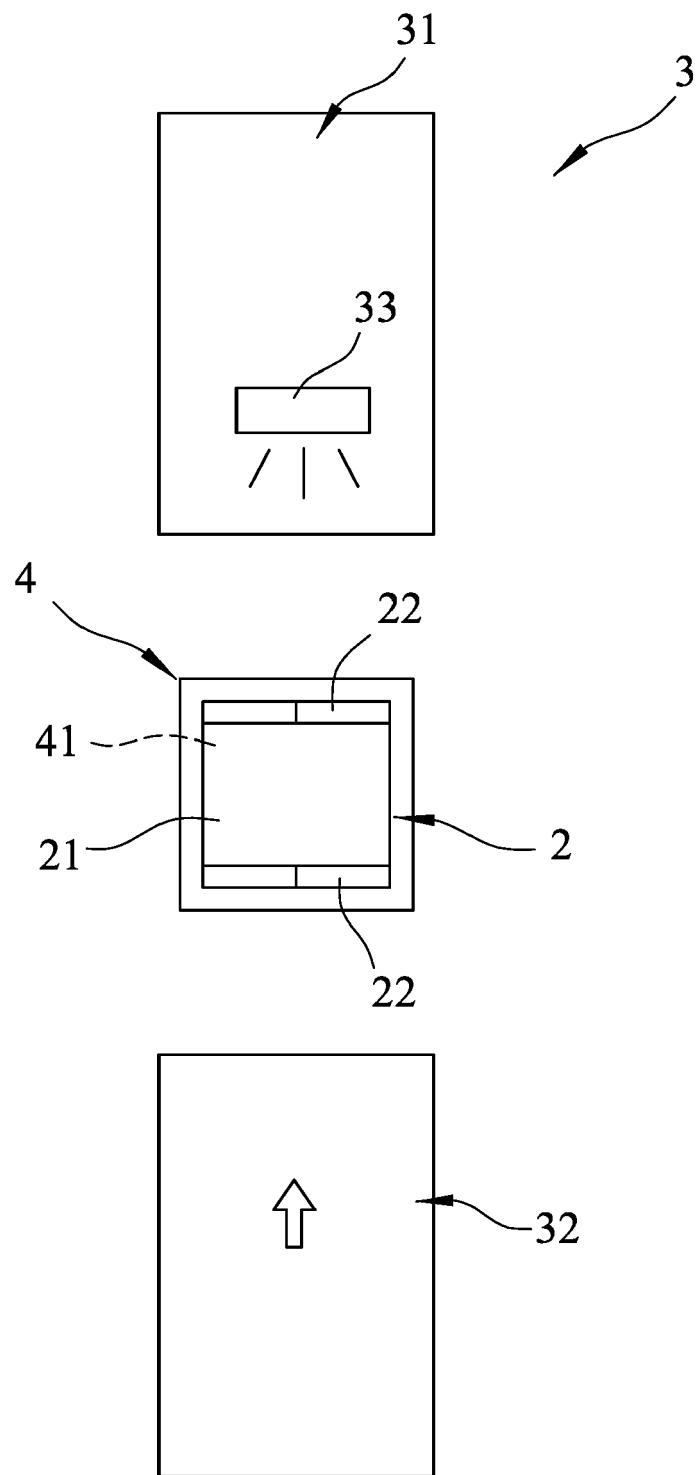


FIG.11

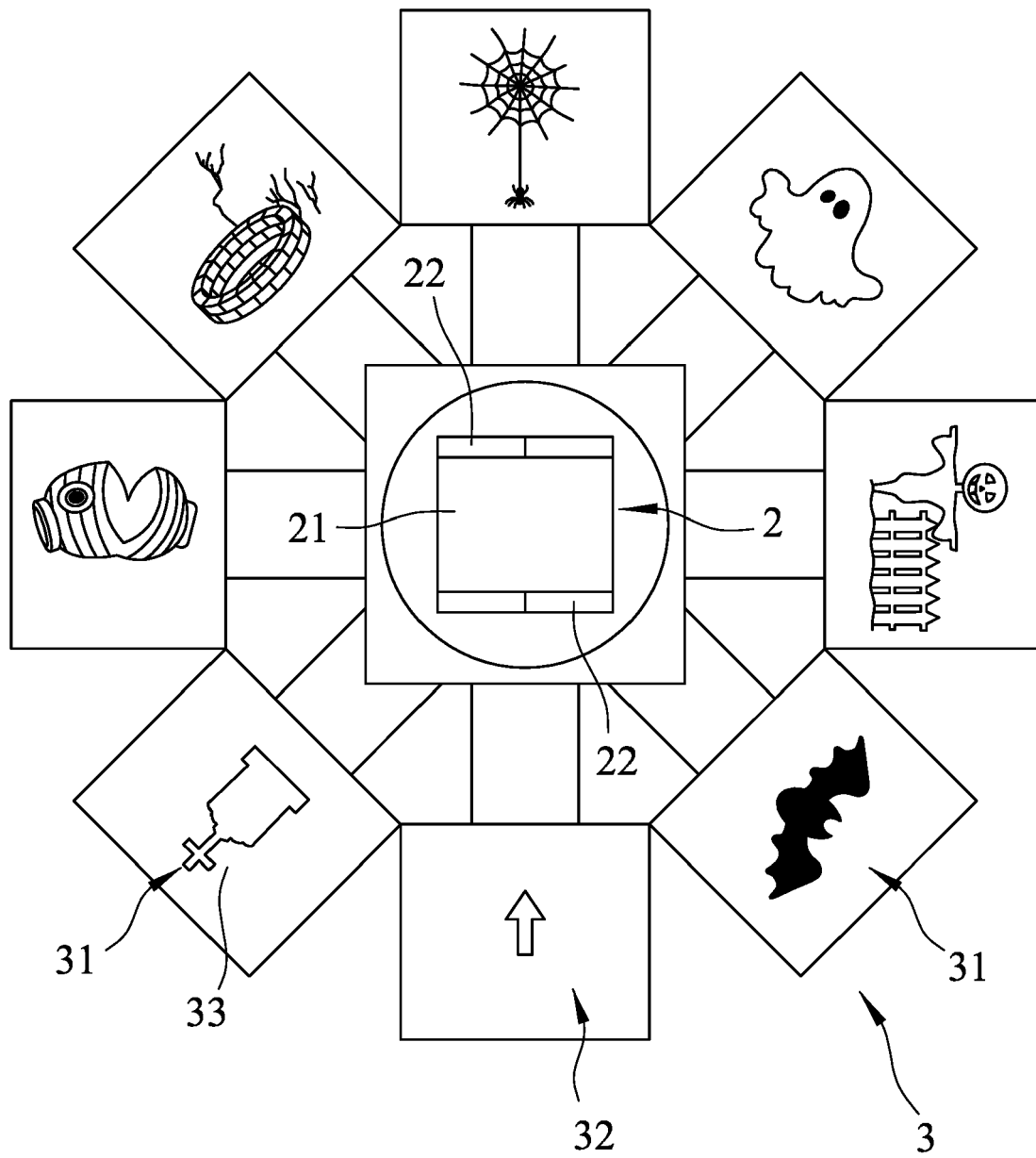


FIG.12

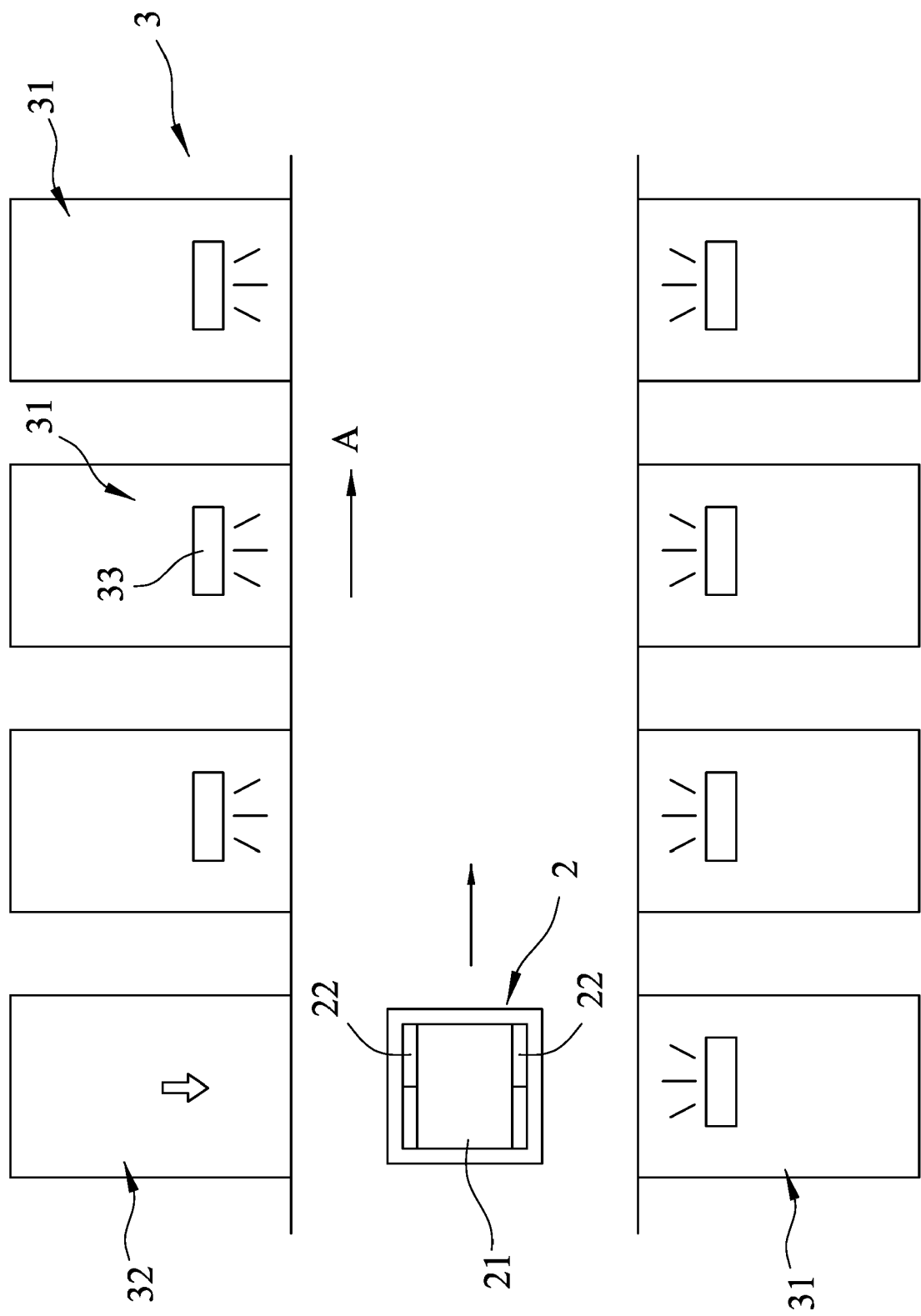


FIG.13

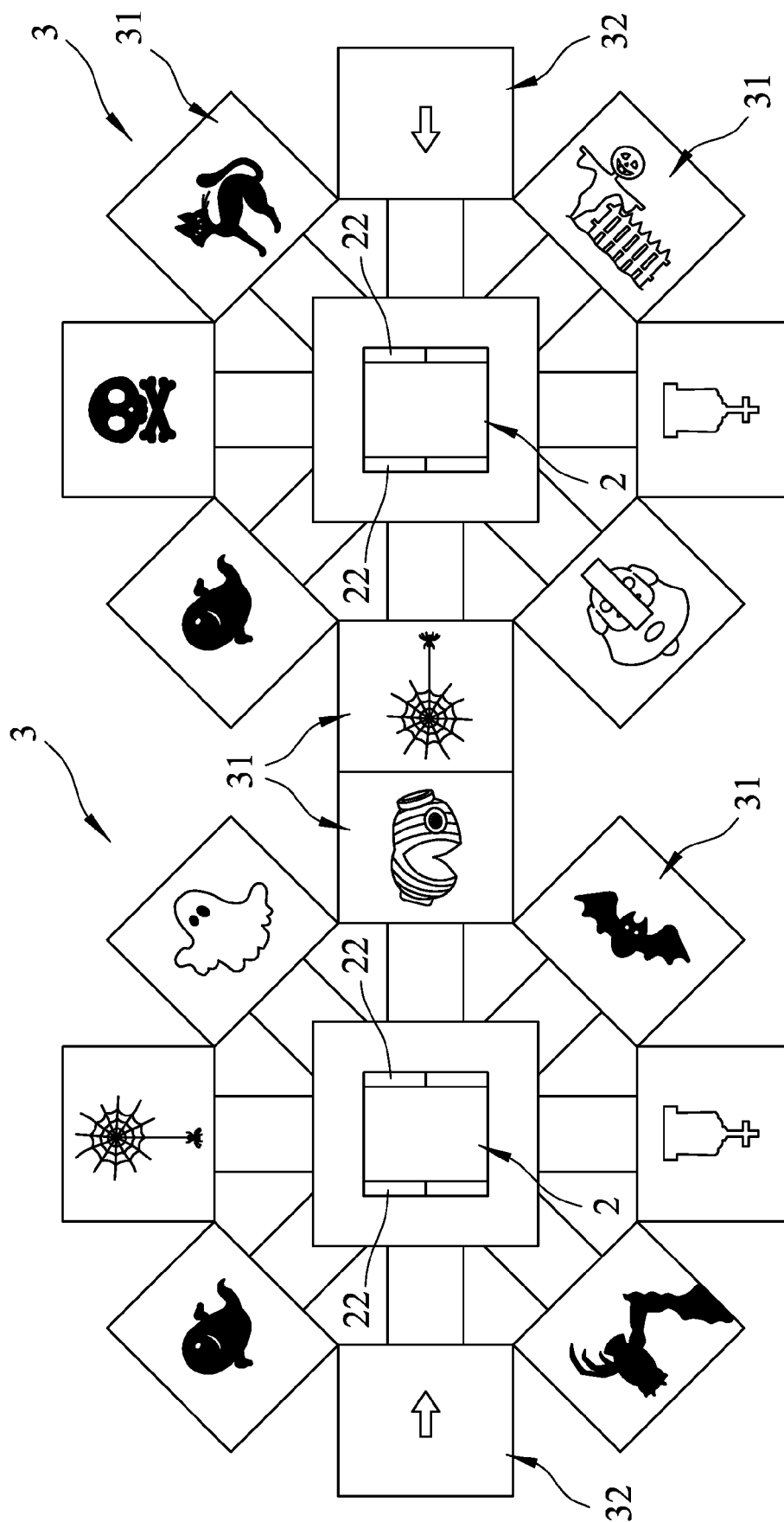


FIG.14