(19) Europäisches Patentamt
European Patent Office
Office européen des brevets

(11) **EP 3 033 153 B1**

(12) **EUROPEAN PATENT SPECIFICATION**

(45) Date of publication and mention of the grant of the patent:
28.06.2017 Bulletin 2017/26

(21) Application number: **14753137.0**

(22) Date of filing: **14.08.2014**

(51) Int Cl.:
A63B 55/00 *(2015.01)*

(86) International application number:
PCT/GB2014/052506

(87) International publication number:
WO 2015/025136 (26.02.2015 Gazette 2015/08)

(54) **GOLF CLUB CARRIER WITH CLUB EJECTOR**

TRAGEVORRICHTUNG FÜR GOLFSCHLÄGER MIT SCHLÄGEREJEKTOR

SUPPORT DE CLUBS DE GOLF POURVU D'UN ÉJECTEUR DE CLUB

(84) Designated Contracting States:
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

(30) Priority: **22.08.2013 GB 201315039**

(43) Date of publication of application:
22.06.2016 Bulletin 2016/25

(73) Proprietor: **Rotacaddy Limited**
Leeds, West Yorkshire LS12 2EJ (GB)

(72) Inventor: **PITTMAN, John**
Leeds LS12 2EJ (GB)

(74) Representative: **Appleyard Lees IP LLP**
15 Clare Road
Halifax HX1 2HY (GB)

(56) References cited:
WO-A1-2010/089602
US-A- 35 404
US-B1- 6 407 668

EP 3 033 153 B1

Printed by Jouve, 75001 PARIS (FR)

Description

[0001] The present invention relates to a golf club carrier and a method of operating a golf club carrier.

[0002] WO 2010/089602 discloses a golf club carrier in which a series of golf clubs are arranged around a circumference so as the golf club carrier is rotatable and an ejector is able to raise or lower a particular golf club when that golf club is located over an ejector. Normally a golf player has 14 clubs in a bag. When the golf clubs are located around a common circumference the size of the bag is considerable. US6407668B1 discloses a golf club carrier including a plurality of receptacles each for receiving a golf club, at least some inner receptacles being mounted inwardly of at least some outer receptacles and one ejector being present for each receptacle arranged, in use, to rise and bear against and lift the base of a club in each receptacle as required. It is an object of the present invention to attempt to overcome the problems associated with the prior art. It is a particular aim to provide a golf club carrier having reduced size and weight.

[0003] According to the present invention there is provided a golf club carrier and method as set forth in the appended claims. Other features of the invention will be apparent from the dependent claims, and the description which follows.

[0004] According to one aspect of the present invention a golf club carrier includes a plurality of receptacles each for receiving a golf club, at least some inner receptacles being mounted inwardly of at least some outer receptacles and at least two ejectors being arranged, in use, to rise and bear against and lift the base of a club in each receptacle as required.

[0005] Advantageously the location of the receptacles on an inner and outer region allow the golf club carrier to be more compact. Suitably, the receptacles are spaced on a circular path. Here there is an inner circumference upon which the inner receptacles are arranged and an outer circumference upon which the outer receptacles are arranged. It will be appreciated that the number of receptacles will be suitable for the number of golf clubs desired to be carried, but typically there may be seven inner and seven outer receptacles.

[0006] The receptacles may be rotatable about an axis relative to a base region. The relative rotation may be arranged, in use, to align a particular receptacle over and ejector, in order that, in use, a selected receptacle is able to rise. Suitably, the inner and outer receptacles are mounted fast to each other so that they rotate as a single unit. The inner receptacles may be mounted about a circumference to the rotational axis and the outer receptacles may be mounted about a greater circumference to that axis than the inner receptacles. Suitably, the receptacles on the inner circumference are spaced at angular intervals. Also the receptacles on the outer circumference are suitably spaced at angular intervals. Advantageously, the inner and outer receptacles may be offset such that when a receptacle on the inner circumference is aligned with the ejector, the ejector arranged to act on the outer receptacles is not aligned with a receptacle. This allows a single actuator to be employed to operate both ejectors, wherein only a club within the receptacle aligned with the ejector will rise. Consequently, the correct club can be selected determined on the rotational position of the receptacles and no complex additional control is required to raise the correct ejector. Furthermore the two ejectors sharing a common actuator allows the golf club carrier to be more compact.

[0007] The outer dimension of the inner receptacles may be spaced circumferentially from the outer dimensions of the outer receptacles.

[0008] The outer dimensions of the inner receptacles may be spaced in a radial direction from the outer dimensions of the inner receptacles.

[0009] Each inner and each outer receptacle may be spaced in a circumferential direction by distance at least equal to the periphery of an inner and an outer ejector respectively.

[0010] The inner and outer ejectors maybe arranged, in use, to rise simultaneously with one ejector rising up into a receptacle and the other ejector passing upwardly between two receptacles.

[0011] According to a further aspect of the present invention method of operating a golf club carrier which includes a plurality of receptacles at least some of which have a golf club therein and in which at least some of the receptacles are inner receptacles mounted inwardly of at least some outer receptacles comprises raising at least one club in one of the inner or outer receptacles by one of a plurality of ejectors.

[0012] The receptacles may be rotatable about an axis relative to the base region and the method may comprise causing that relative rotation to align a particular receptacle over an ejector and raising that ejector to cause a club in the receptacle to rise. The inner receptacles may be mounted about a circumference to the rotational axis inwards of the outer receptacles which outer receptacles are mounted about a greater circumference than the inner receptacles and in which the outside dimension of the inner receptacles are spaced circumferentially from the outside dimension of the outer receptacles and in which the outside dimensions of the inner receptacles are spaced in a radial direction from the outside dimension of the inner receptacles, the method comprising causing relative rotation of the base region and the receptacles and in which at least each inner and each outer receptacle are spaced in a circumferential direction by distance at least equal to the periphery of an ejector comprising raising two ejectors simultaneously to cause one ejector to rise up inside one inner or outer receptacle with the other ejector rising up in a space between two adjacent receptacles of the other of the inner or outer receptacles.

[0013] The method may comprise lowering at least one ejector after a club has been removed from a particular

receptacle.

[0014] The present invention includes a method as herein referred to when using a golf club carrier as herein referred to.

[0015] It will be appreciated that although the exemplary embodiments have been described in relation to at least two rows of receptacles, there may be three or more rows, such as three circumferential paths forming an inner ring, middle ring and outer ring of receptacles.

[0016] The present invention can be carried into practice in various ways but one example will now be described with reference to the accompanying drawings, in which:

Figure 1 is a side view of a golf club carrier 10;
Figure 2 is a side view of a golf club carrier 10 at 90° to the view in Figure 1;
Figure 3 is a plan view of Figure 2;
Figure 4 is a perspective view of Figure 3;
Figure 5 is a detailed view of part A of Figure 2, and
Figure 6 is a detailed side view of a golf club ejector.

[0017] The golf club carrier 10 includes a plurality of golf club receptacles 12 which may be constrained in position relative to each other by at least one holding plate 14 provided with openings through which its receptacles extend.

[0018] Separate ejectors or fingers may be provided that can be activated to raise each club as desired. Alternatively the receptacles may be rotatable relative to a base region 16. This rotational movement may be effected by a motor 18 which may rotate a drive gear 20 which in turn may rotate a driven gear 22. The driven gear may be mounted on a shaft 24 fast with the receptacles. The shaft rotates about an axis 26. Although not shown the carrier may include a plate at the lower region of the shaft or a rigid cover surrounding the receptacles or both that are fast with the shaft to add support for the receptacles.

[0019] Preferably the receptacles rotate and the base region does not rotate.

[0020] There is at least one inner receptacle 12A mounted radially inwards from at least one radially outward receptacle 12b. Preferably there are a plurality of inner and outer receptacles 12a and 12b. There may be seven inner and seven outer receptacles.

[0021] The plurality of inner receptacles may be on a common circumference about the axis 26 and the plurality of outer receptacles may also be about a common circumference about the axis 26. The radii of the inner receptacles may be offset from the radii of the outer receptacles.

[0022] In use relative rotation of the base region and the receptacles occurs until a required club within a particular receptacle is located over an upwardly extending ejector of finger 28A or 28B of the club ejector. One or both fingers 28A and 28B may then be raised. As seen in Figure 6 the fingers rise together with the finger 28B rising inside the selected receptacle 12b above a rim that supports the base of the club to push up on the underside of the club in a receptacle and to raise the club upwardly. The other finger 28A rises up in a space between the receptacles and has no effect on the clubs. Similarly when a club from the inner receptacle is to be raised the finger 28A rises up in a receptacle 12A to raise a club with the other finger 28B having no effect.

[0023] Here each receptacle includes at its base region a slot within which the ejector can slide. However, the clubs could also extend beneath the extent of the receptacle so that the ejector can act on the club.

[0024] Consequently a single actuator is required to raise either an inner club or an outer club 36. The single actuator is positioned between the inner and outer rings of receptacles. A finger extends from the actuator inwardly, to act on the inner ring of receptacles, and outwardly, to act on the outer row of receptacles. Here, because both the fingers raise simultaneously when the single actuator is operated, the arrangement of the receptacles on the inner and outer rings is such that when a receptacle on the inner ring is aligned with the actuator, for instance so that the finger raises within the slot, the receptacles on the outer ring are not in conflict with the outer finger. That is the radial spacing of the inner and outer receptacles is such that the receptacles on the opposed rings are off-set from one another.

[0025] As shown in Figure 6 a vertical linear actuator may raise and lower the fingers simultaneously. The actuator may comprise a rotatably threaded shaft 32 that, when rotated, cooperates with a threaded control member 34 to raise or lower each finger 28A and 28B which are connected to the member 34. The radial distance between the inner and outer receptacles is such that the receptacles are clear of the threaded shaft when the receptacles rotate should the shaft project upwardly to be partially co-extensive with the receptacles. Other well known means actuator may be provided to raise and lower the fingers.

[0026] The fingers may lower such as after a predetermined period of time or upon receipt of a command or when a pressure sensor determines that the club has been lifted off the finger.

[0027] A user interface 36 may be provided which a golf player can actuate to request a desired club whereupon a receiver 38 on a carrier causes relative rotation of the carrier and a base region and the raising of the appropriate club.

[0028] Attention is directed to all papers and documents which are filed concurrently with or previous to this specification in connection with this application and which are open to public inspection with this specification, and the contents of all such papers and documents are incorporated herein by reference.

[0029] All of the features disclosed in this specification (including any accompanying claims, abstract and drawings), and/or all of the steps of any method or process so disclosed, may be combined in any combination, except combinations where at least some of such features

and/or steps are mutually exclusive.

[0030] Each feature disclosed in this specification (including any accompanying claims, abstract and drawings) may be replaced by alternative features serving the same, equivalent or similar purpose, unless expressly stated otherwise. Thus, unless expressly stated otherwise, each feature disclosed is one example only of a generic series of equivalent or similar features.

[0031] The invention is not restricted to the details of the foregoing embodiment(s). The invention extends to any novel one, or any novel combination, of the features disclosed in this specification (including any accompanying claims, abstract and drawings), or to any novel one, or any novel combination, of the steps of any method or process so disclosed.

Claims

1. A golf club carrier (10) including a plurality of receptacles (12) each for receiving a golf club, at least some inner receptacles (12A) being mounted inwardly of at least some outer receptacles (12B) and at least two ejectors (28A, 28B) being arranged, in use, to rise and bear against and lift the base of a club in each receptacle as required, wherein a single actuator (32, 34) is arranged to operate the two ejectors.

2. A carrier as claimed in claim 1 including seven inner and seven outer receptacles.

3. A carrier as claimed in claim 1 or 2 in which the receptacles are rotatable about an axis relative to a base region.

4. A carrier as claimed in claim 3 in which the relative rotation is arranged, in use, to align a particular receptacle over an ejector in order that, in use, a club in that particular receptacle is able to rise.

5. A carrier as claimed in either of claims 3 or 4 in which the inner receptacles are mounted about a circumference to the rotational axis and the outer receptacles are mounted about a greater circumference to that axis than the inner receptacles.

6. A carrier as claimed in either claims 3 to 5 in which the outer dimension of the inner receptacles is spaced circumferentially from the outer dimension of the outer receptacles.

7. A carrier as claimed in either claims 3 to 6 in which the outer dimensions of the inner receptacles are spaced in a radial direction from the outer dimensions of the outer receptacles.

8. A carrier as claimed in claim 5 or claims 6 and 7 when depending upon claim 5 in which each inner and each outer receptacle is spaced in a circumferential direction by a distance at least equal to the periphery of an inner and an outer ejector respectively.

9. A carrier as claimed in claim 8 in which the single actuator is arranged to raise the inner and outer ejectors simultaneously with one ejector rising up into a receptacle and the other ejector passing upwardly between two receptacles.

10. A method of operating a golf club carrier (10) which includes a plurality of receptacles (12) at least some of which have a golf club therein and at which at least some of the receptacles are inner receptacles (12A) mounted inwardly of at least some outer receptacles (12B) comprising raising at least one club in one of the inner or outer receptacles by one of a plurality of ejectors (28A, 28B) wherein the method comprises using a single actuator (32,34) to operate the two ejectors.

11. The method as claimed in claim 10 in which the receptacles are rotatable about an axis relative to the base region comprising causing that relative rotation to align a particular receptacle over an ejector and raising that ejector to cause a club in the receptacle to rise.

12. A method as claimed in claim 11 in which the inner receptacles are mounted about a circumference to the rotational axis inwards of the outer receptacles which outer receptacles are mounted about a greater circumference than the inner receptacles and in which the outside dimension so of the inner receptacles are spaced circumferentially from the outside dimension so the outer receptacles and in which the outside dimensions of the inner receptacles are spaced in a radially direction from the outside dimension of the inner receptacles and in which at least each inner and each outer receptacles spaced in a circumferential direction by distance at least equal to the periphery of an ejector comprising raising at least two ejectors simultaneously to cause one ejector to rise up inside one inner or outer receptacle with the other ejector rising up in a space between two adjacent receptacles or the other of the inner or outer receptacles..

13. A method as claimed in any claims 10 to 12 comprises automatically lowering at least one ejector after a club has been removed from a particular receptacle.

14. A method as claimed in claims 10 to 13 when using a golf club carrier as claimed in any of claims 1 to 9.

Patentansprüche

1. Tragevorrichtung für Golfschläger (10), umfassend eine Vielzahl von Aufnahmevorrichtungen (12), die jeweils zum Aufnehmen eines Golfschlägers bestimmt sind, wenigstens einige innere Aufnahmevorrichtungen (12A), die im Inneren wenigstens einiger äußerer Aufnahmevorrichtungen (12B) befestigt sind, und wenigstens zwei Ejektoren (28A, 28B), die im Gebrauch so angeordnet sind, dass sie nach oben steigen und je nach Bedarf an der Basis eines Schlägers in jeder Aufnahmevorrichtung anliegen und diese anheben, wobei ein einzelner Betätiger (32, 34) zum Auslösen der beiden Ejektoren angeordnet ist.

2. Tragevorrichtung nach Anspruch 1, sieben innere und sieben äußere Aufnahmevorrichtungen umfassend.

3. Tragevorrichtung nach Anspruch 1 oder 2, wobei die Aufnahmevorrichtungen um eine Achse relativ zu einem Basisbereich drehbar sind.

4. Tragevorrichtung nach Anspruch 3, wobei die relative Drehung im Gebrauch zum Ausrichten einer bestimmten Aufnahmevorrichtung über einem Ejektor angeordnet ist, damit im Gebrauch ein Schläger in der bestimmten Aufnahmevorrichtung in der Lage ist, nach oben zu steigen.

5. Tragevorrichtung nach einem der Ansprüche 3 oder 4, wobei die inneren Aufnahmevorrichtungen um einen Umfang um die Drehachse befestigt sind und die äußeren Aufnahmevorrichtungen um einen größeren Umfang um die Achse als die inneren Aufnahmevorrichtungen befestigt sind.

6. Tragevorrichtung nach einem der Ansprüche 3 bis 5, wobei die Außenabmessung der inneren Aufnahmevorrichtungen in Umfangsrichtung von der Außenabmessung der äußeren Aufnahmevorrichtungen beabstandet ist.

7. Tragevorrichtung nach einem der Ansprüche 3 bis 6, wobei die Außenabmessungen der inneren Aufnahmevorrichtungen in radialer Richtung von den Außenabmessungen der äußeren Aufnahmevorrichtungen beabstandet sind.

8. Tragevorrichtung nach Anspruch 5 oder bei Abhängigkeit von Anspruch 5 nach Anspruch 6 und 7, wobei jede innere und jede äußere Aufnahmevorrichtung in Umfangsrichtung um eine Entfernung beabstandet ist, die wenigstens gleich dem Umfang eines inneren beziehungsweise eines äußeren Ejektors ist.

9. Tragevorrichtung nach Anspruch 8, wobei der einzelne Betätiger so angeordnet ist, dass er den inneren und den äußeren Ejektor gleichzeitig anhebt, wobei ein Ejektor in eine Aufnahmevorrichtung nach oben steigt und der andere Ejektor zwischen zwei Aufnahmevorrichtungen nach oben fährt.

10. Verfahren zum Betreiben einer Tragevorrichtung für Golfschläger (10), die eine Vielzahl von Aufnahmevorrichtungen (12) umfasst, von denen wenigstens einige einen Golfschläger in denselben aufweisen, und bei der wenigstens einige der Aufnahmevorrichtungen innere Aufnahmevorrichtungen (12A) sind, die im Inneren wenigstens einiger der äußeren Aufnahmevorrichtungen (12B) befestigt sind, wobei das Verfahren das Anheben wenigstens eines Schlägers in einer der inneren oder äußeren Aufnahmevorrichtungen durch einen aus einer Vielzahl von Ejektoren (28A, 28B) umfasst, wobei das Verfahren das Verwenden eines einzelnen Betätigers (32, 34) umfasst, um die beiden Ejektoren auszulösen.

11. Verfahren nach Anspruch 10, wobei die Aufnahmevorrichtungen um eine Achse relativ zu dem Basisbereich drehbar sind, wobei das Verfahren das Bewirken umfasst, dass die relative Drehung eine bestimmte Aufnahmevorrichtung über einem Ejektor ausrichtet, und das Anheben des Ejektors umfasst, um zu bewirken, dass ein Schläger in der Aufnahmevorrichtung nach oben steigt.

12. Verfahren nach Anspruch 11, wobei die inneren Aufnahmevorrichtungen um einen Umfang um die Drehachse im Inneren der äußeren Aufnahmevorrichtungen befestigt sind, wobei die äußeren Aufnahmevorrichtungen um einen größeren Umfang als die inneren Aufnahmevorrichtungen befestigt sind und wobei die Außenabmessung so der inneren Aufnahmevorrichtungen in Umfangsrichtung von der Außenabmessung so die äußeren Aufnahmevorrichtungen beabstandet sind und wobei die Außenabmessungen der inneren Aufnahmevorrichtungen in radialer Richtung von den Außenabmessungen der inneren Aufnahmevorrichtungen beabstandet sind und wobei wenigstens jede innere und jede äußere Aufnahmevorrichtung in Umfangsrichtung um eine Entfernung beabstandet ist, die gleich dem Umfang eines Ejektors ist, wobei das Verfahren das gleichzeitige Anheben von mindestens zwei Ejektoren umfasst, um zu bewirken, dass einer der Ejektoren in einer inneren oder äußeren Aufnahmevorrichtung nach oben steigt, wobei der andere Ejektor in einem Raum zwischen zwei benachbarten Aufnahmevorrichtungen oder der anderen der inneren oder äußeren Aufnahmevorrichtung nach oben steigt.

13. Verfahren nach einem der Ansprüche 10 bis 12, das das automatische Absenken wenigstens eines Ejek-

tors umfasst, nachdem ein Schläger aus einer bestimmten Aufnahmevorrichtung entnommen wurde.

14. Verfahren nach einem der Ansprüche 10 bis 13 bei Verwendung einer Tragevorrichtung für Golfschläger nach einem der Ansprüche 1 bis 9.

Revendications

1. Support pour clubs de golf (10) comprenant une pluralité de réceptacles (12) destinés chacun à recevoir un club de golf, au moins quelques réceptacles intérieurs (12A) étant installés vers l'intérieur par rapport à quelques réceptacles extérieurs (12B) et au moins deux organes d'éjection (28A, 28B) étant conçus pour, en cours d'utilisation, s'élever, venir en appui contre la base d'un club et la soulever dans chaque réceptacle selon le besoin, un dispositif d'actionnement unique (32, 34) étant conçu pour faire fonctionner les deux organes d'éjection.

2. Support selon la revendication 1 comprenant sept réceptacles intérieurs et sept réceptacles extérieurs.

3. Support selon la revendication 1 ou 2, dans lequel les réceptacles sont rotatifs autour d'un axe par rapport à une région de base.

4. Support selon la revendication 3, dans lequel la rotation relative est prévue pour, en cours d'utilisation, aligner un réceptacle particulier sur un organe d'éjection de telle sorte que, en cours d'utilisation, un club se trouvant dans ce réceptacle particulier puisse s'élever.

5. Support selon l'une ou l'autre des revendications 3 et 4, dans lequel les réceptacles intérieurs sont installés autour d'une circonférence par rapport à l'axe de rotation et les réceptacles extérieurs sont installés autour d'une plus large circonférence par rapport à cet axe par comparaison avec les réceptacles intérieurs.

6. Support selon l'une quelconque des revendications 3 à 5, dans lequel la dimension extérieure des réceptacles intérieurs est espacée, sur le plan circonférentiel, vis-à-vis de la dimension extérieure des réceptacles extérieurs.

7. Support selon l'une quelconque des revendications 3 à 6, dans lequel les dimensions extérieures des réceptacles intérieurs sont espacées, dans une direction radiale, vis-à-vis des dimensions extérieures des réceptacles extérieurs.

8. Support selon la revendication 5 ou les revendications 6 et 7 lorsqu'elles dépendent de la revendication 5, dans lequel chaque réceptacle intérieur et chaque réceptacle extérieur est espacé, dans une direction circonférentielle, d'une distance au moins égale à la périphérie d'un organe d'éjection intérieur et d'un organe d'éjection extérieur, respectivement.

9. Support selon la revendication 8, dans lequel le dispositif d'actionnement unique est conçu pour élever les organes d'éjection intérieur et extérieur simultanément, un organe d'éjection s'élevant dans un réceptacle et l'autre organe d'éjection s'élevant entre deux réceptacles.

10. Procédé pour faire fonctionner un support pour clubs de golf (10) qui comprend une pluralité de réceptacles (12), dont au moins certains contiennent un club de golf et parmi lesquels au moins certains des réceptacles sont des réceptacles intérieurs (12A) installés vers l'intérieur par rapport à au moins quelques réceptacles extérieurs (12B), comprenant le fait d'élever au moins un club dans l'un des réceptacles intérieurs ou extérieurs au moyen d'un organe d'éjection parmi une pluralité d'organes d'éjection (28A, 28B), le procédé comprenant le fait d'utiliser un dispositif d'actionnement unique (32, 34) pour faire fonctionner les deux organes d'éjection.

11. Procédé selon la revendication 10, dans lequel les réceptacles sont rotatifs autour d'un axe par rapport à la région de base, comprenant le fait de faire en sorte que cette rotation relative aligne un réceptacle particulier sur un organe d'éjection et le fait d'élever cet organe d'éjection de façon à amener un club se trouvant dans le réceptacle à s'élever.

12. Procédé selon la revendication 11, dans lequel les réceptacles intérieurs sont installés autour d'une circonférence par rapport à l'axe de rotation, vers l'intérieur par rapport aux réceptacles extérieurs, lesdits réceptacles extérieurs étant installés autour d'une plus large circonférence par comparaison avec les réceptacles intérieurs, et dans lequel la dimension extérieure donc des réceptacles intérieurs sont espacées, sur le plan circonférentiel, vis-à-vis de la dimension extérieure donc des réceptacles extérieurs, et dans lequel les dimensions extérieures des réceptacles intérieurs sont espacées, dans une direction radiale, vis-à-vis des dimensions extérieures des réceptacles intérieurs, et dans lequel au moins chaque réceptacle intérieur et chaque réceptacle extérieur est espacé, dans une direction circonférentielle, d'une distance au moins égale à la périphérie d'un organe d'éjection, comprenant le fait d'élever au moins deux organes d'éjection simultanément de façon à amener un organe d'éjection à s'élever à l'intérieur d'un réceptacle intérieur ou extérieur, l'autre organe d'éjection s'élevant dans un espace entre deux réceptacles adjacents ou dans l'autre des ré-

ceptacles intérieur ou extérieur.

13. Procédé selon l'une quelconque des revendications 10 à 12, comprenant le fait d'abaisser automatiquement au moins un organe d'éjection une fois qu'un club a été retiré d'un réceptacle particulier.

14. Procédé selon les revendications 10 à 13, lors de l'utilisation d'un support pour clubs de golf selon l'une quelconque des revendications 1 à 9.

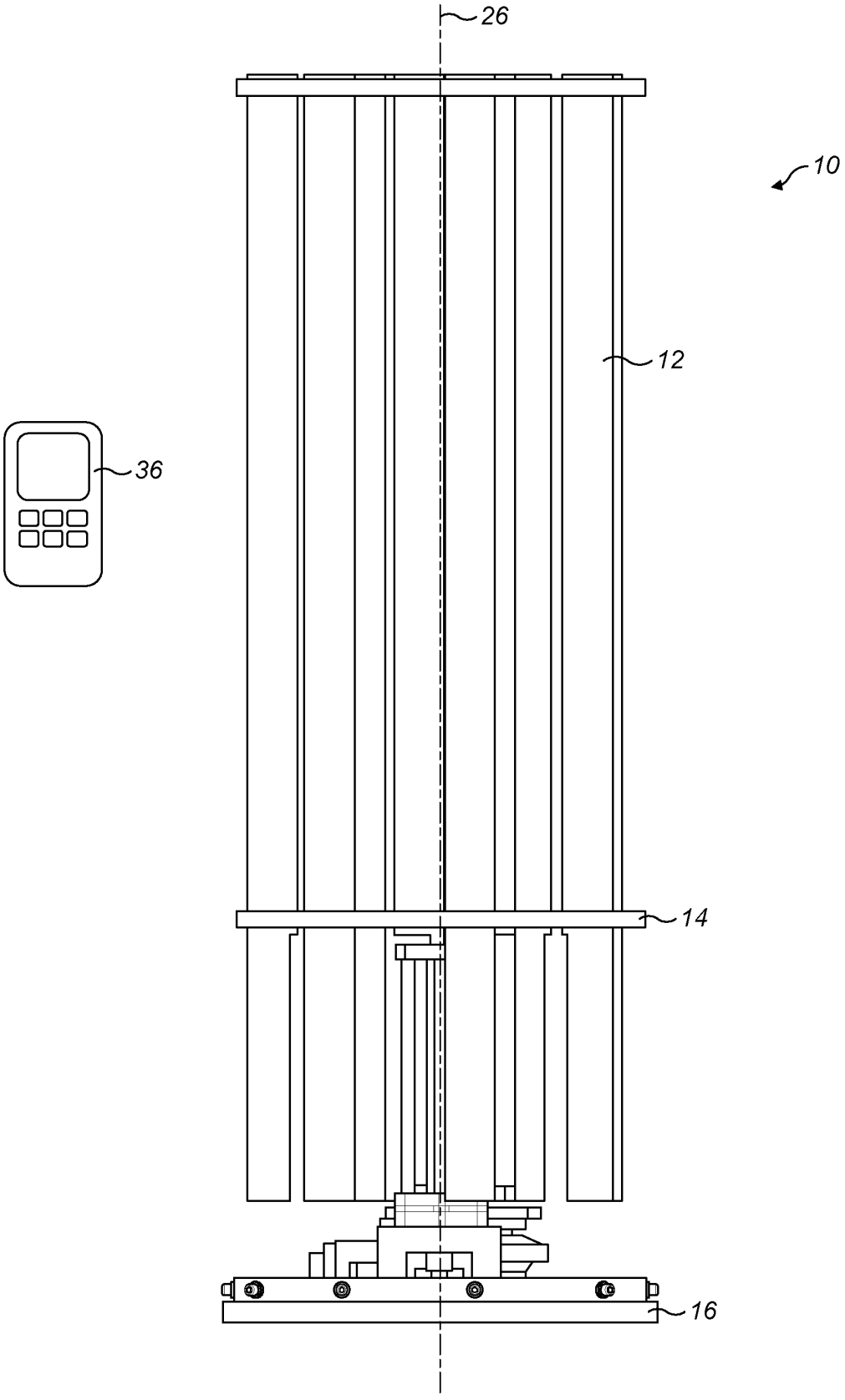

FIG. 1

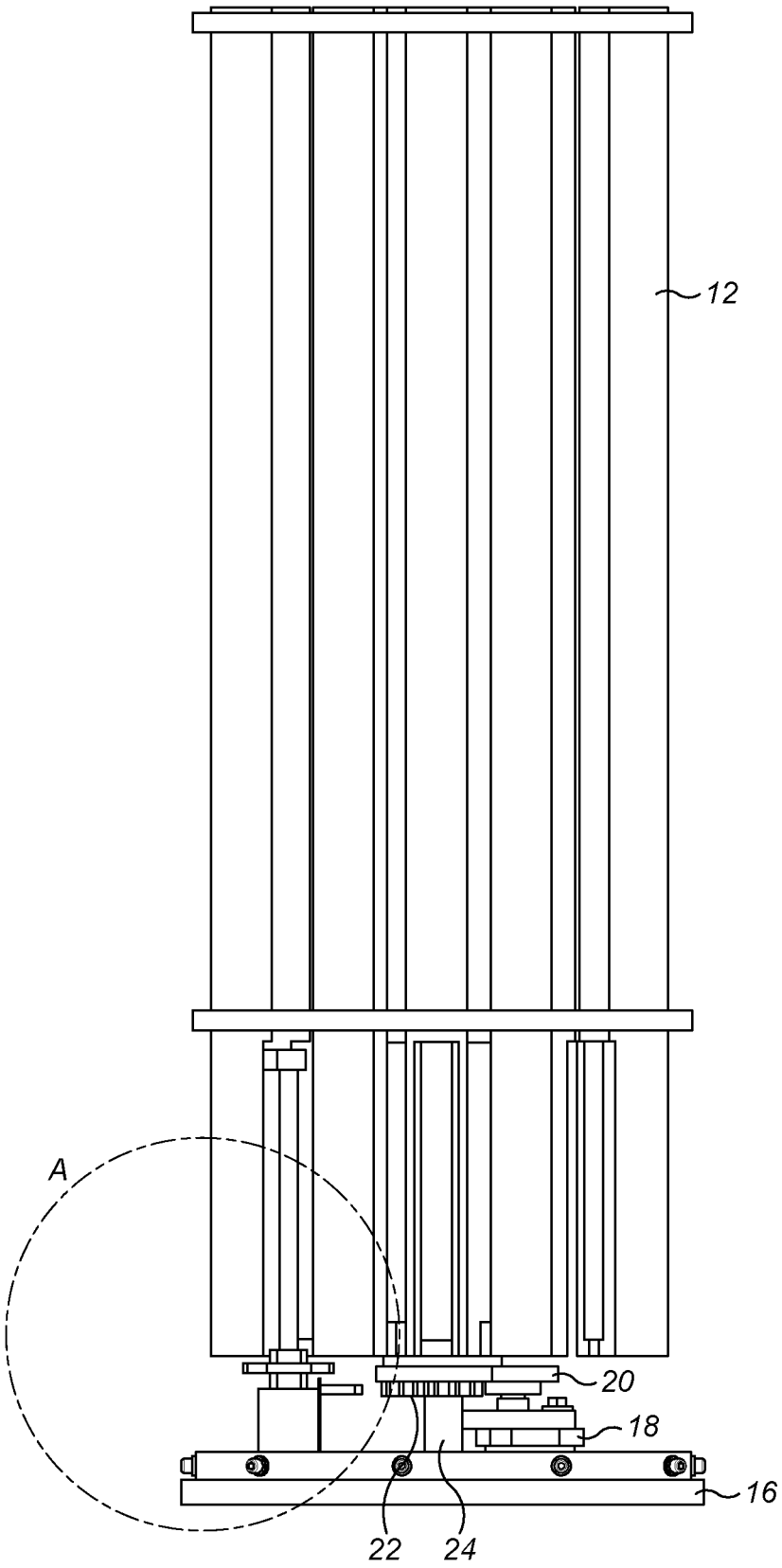

FIG. 2

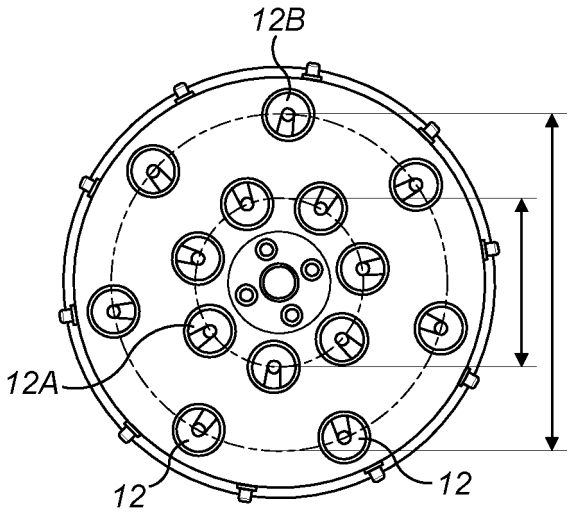

FIG. 3

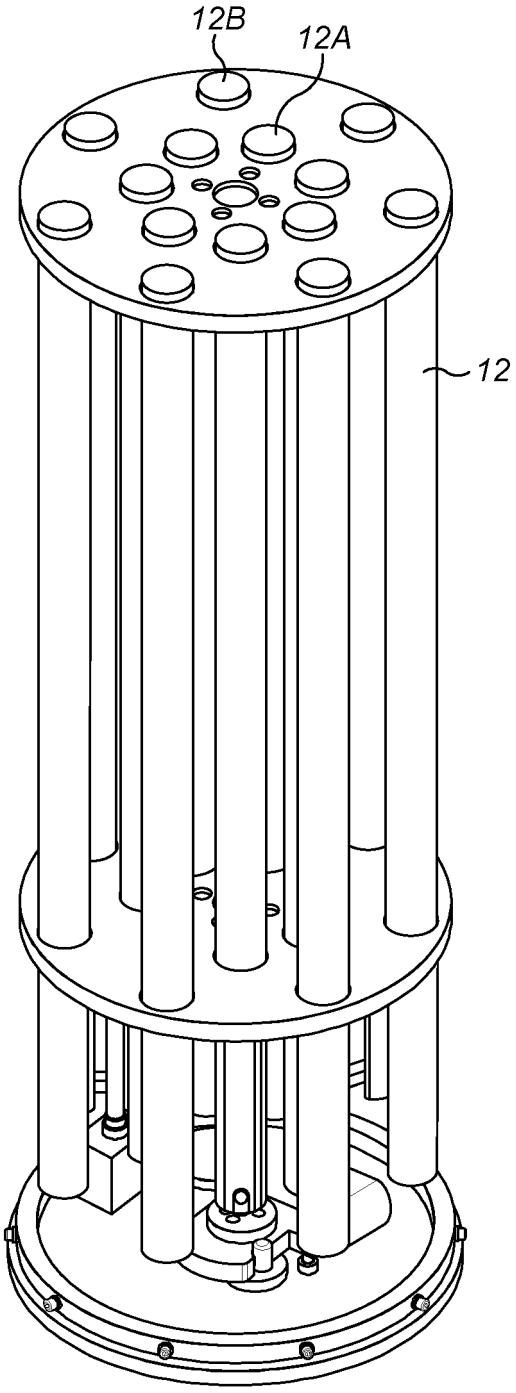

FIG. 4

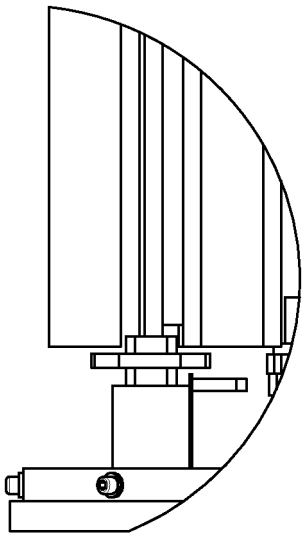

FIG. 5

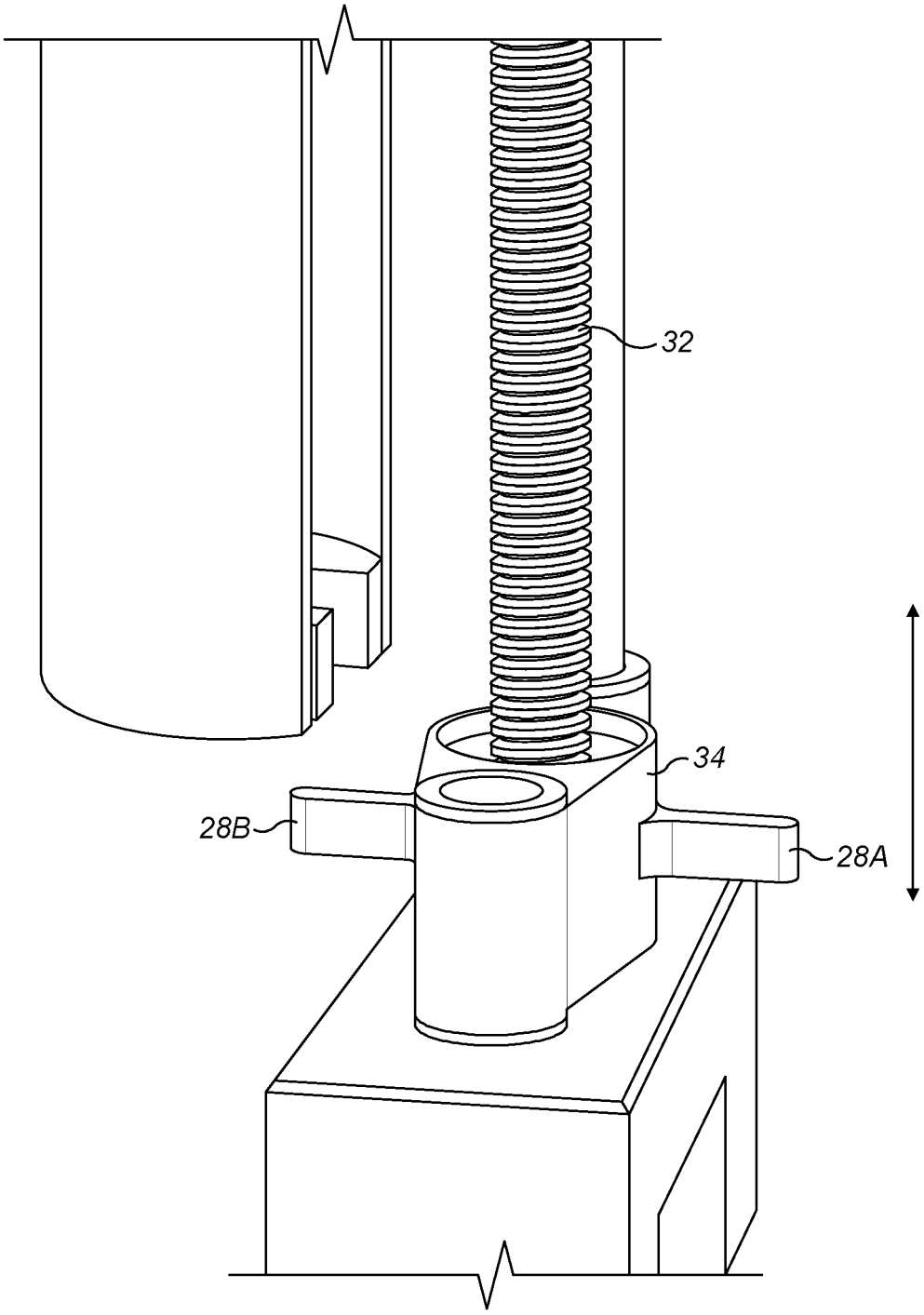

FIG. 6

REFERENCES CITED IN THE DESCRIPTION

This list of references cited by the applicant is for the reader's convenience only. It does not form part of the European patent document. Even though great care has been taken in compiling the references, errors or omissions cannot be excluded and the EPO disclaims all liability in this regard.

Patent documents cited in the description

- WO 2010089602 A **[0002]**
- US 6407668 B1 **[0002]**