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(54) **INFANT CHAIR AND CHAIR ASSEMBLY COMPRISING A BASE CHAIR AND AN INFANT CHAIR**

KINDERSTUHL UND STUHLANORDNUNG MIT EINEM KINDERSTUHL UND EINEM STUHL ALS
BASIS

CHAISE D'ENFANT ET ASSEMBLAGE POUR CHAISE COMPRENANT UNE CHAISE D'ENFANT
AINSI QU'UNE CHAISE SERVANT DE BASE

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Description

[0001] The present patent application relates to an infant chair designed for mounting on a base chair. The present invention also relates to a chair assembly which, when assembled, comprises an infant chair and base chair. The infant chair may also be designed so that in addition to being adapted for mounting to another infant chair or an ordinary chair, it can also function as a stable infant chair or a cradle when the infant chair is placed on a flat surface, as for instance a floor.

[0002] A multitude of infant chairs are available in today's market. These chairs are configured in many different ways, but one feature they have in common is that they have been developed for particular age groups. This means that parents must buy more chairs as the infant becomes older and grows out of the chair he/she last used. Often there will also be a need for different types of chairs for the infant, for example, a high chair in which the infant can sit when he/she is to be seated at a dining table together with his/her parents, a lower sitting chair that can be placed on the floor, a rocking chair in which the infant can be rocked, a chair in which the infant can sleep etc. From the time the infant is born until he/she is able to sit in chairs that are designed for adults, it may easily be necessary to purchase numerous chairs, which can be costly.

[0003] Infant chairs of different types are disclosed in US 5951102 A, US 6286844 B1, US 5676386 A, GB 2380663 A and JP 54034515 U.

[0004] An object of the present invention has therefore been to provide a solution capable of reducing the required number of infant chairs that an infant will need in the course of his/her infant and toddler years, or of extending the period of time in which the infant can use one infant chair.

[0005] It has also been an object of the present invention to provide an infant chair that takes up little space and which can be mounted on different types of chairs that are available in most homes.

[0006] It has also been an object of the present invention to provide an infant chair that will be able to function as different types of infant chairs.

[0007] These objects are met by means of an infant chair as defined in independent claim 1 and a chair assembly as defined in independent claim 6. Additional embodiments of the infant chair are defined in dependent claims 2-5, whilst further embodiments of the chair assembly are defined in dependent claims 7-15.

[0008] The base chair to which the infant chair is designed to be fastened may be a chair made for adults. The base chair may also be a chair that is designed for infants, for example, chairs that are made to be adjustable as the infant becomes older, thereby allowing the infant to use the same chair at least through a number of his/her infant and toddler years. An example of such a chair is the SITTI chair which has been developed by Peter Opsvik AS, and which is configured with a central

structure that supports a footboard, a seat and a backrest. Another example of such a chair is the Tripp-Trapp chair that is manufactured by Stokke AS and is configured with upright side members that support a footboard, a seat and a backrest.

[0009] An infant chair is provided that is adapted to be fastened to a base chair. The base chair may be a chair that is designed for adults or another infant chair, for example, the Tripp-Trapp chair from Stokke or the SITTI chair from Peter Opsvik AS as mentioned above. Other types of chairs may also conceivably be used as the base chair.

[0010] The infant chair comprises a chair part having an upper chair part portion and a lower chair part portion, and the infant chair is configured such that the chair parts can be adjusted between a lying position and a sitting position for an infant. Basically, the upper chair part portion of the infant chair will extend from about where the infant's stomach will be located to the top of the chair part whilst the lower chair part portion will extend from about where the infant's stomach will be located to the bottom of the chair part.

[0011] The infant chair further comprises at least one supporting element or stay which has a first end portion and a second end portion. The first end portion of the supporting element is pivotally fastened to the infant chair's chair part, preferably to the lower chair part portion. This will give the greatest scope for moving the infant chair between the sitting position and the lying position, but of course the first end portion of the supporting element could be fastened to the upper chair part portion if so desired. The second end portion of the supporting element is preferably adapted for pivotal and detachable fastening to the base chair.

[0012] The second end portion of the supporting element preferably comprises one lower fastening device, which lower fastening device is adapted to be fastened detachably to the base chair. The lower fastening device may, for example, be configured with a rib element that is arranged to slide into a corresponding groove on the base chair, for example, in a column that extends along parts of or the whole of the length (height) of the base chair or a chair leg. Alternatively, the lower fastening device may comprise a sleeve that can slide up and down along a part of the base chair, for example, a column or a chair leg as mentioned above. The lower fastening device preferably also comprises a locking or clamping device capable of locking or clamping the lower fastening device to the base chair. This may, for example, be a screw, a bolt, a clamping device or the like that is screwed or clamped tight when the lower fastening device is in a desired position.

[0013] The lower fastening device further comprises a rotary device such as a swivel, a bolt or the like that allows the supporting element to turn or rotate in relation to the base chair when the lower fastening device is moved upwards or downwards. The lower fastening device may be arranged on the second end portion of the supporting

element and configured such that it can be detachably fastened to the base chair. Alternatively, the lower fastening device may be arranged on the base chair. In that case, the lower fastening device and the second end portion of the supporting element may be adapted such that the second end portion of the supporting element can be detachably fastened to the lower fastening device.

[0014] The infant chair is preferably provided with one or two supporting elements, but may be provided with three or more supporting elements if so desired. If the infant chair is configured with two supporting elements, each supporting element can be provided with its respective lower fastening device, which in turn can be adapted to move up and down along its respective part of the base chair, for example, its respective chair leg. Alternatively, two or more chair legs may be connected to a single lower fastening device that is adapted to move up and down a part of the base chair, for example, a central column. In both cases, the lower fastening elements/element may be arranged on the base chair whilst the supporting elements may be detachably fastened to the fastening element/elements.

[0015] Furthermore, the upper chair part portion of the infant chair is preferably adapted for pivotal and detachable fastening to the base chair. The upper chair part portion therefore preferably comprises at least one upper fastening device that is adapted to be fastened detachably to the base chair. It will be necessary to have a pivotal fastening of the chair part of the infant chair to the base chair since the chair part of the infant chair pivots about this point of attachment when the position of the infant chair is changed from a sitting position for the infant to a lying position. There are a great number of different types of fastening devices that can be used to enable the upper chair part portion of the infant chair to be fastened detachably to the base chair and at the same time allow the upper chair part portion of the infant chair to be pivotally fastened to the base chair. The at least one upper fastening device may, for example, comprise an adjustable strap, tape, belt or the like that can be passed around the base chair or a part of the base chair and fastened to the upper chair part portion of the infant chair with the aid of a hook-and-loop fastener, snap fasteners or the like at one or both ends. There is thus obtained a detachable and sufficiently pivotal fastening of the chair part of the infant chair to the base chair. Alternatively, both ends may be fixedly connected to the upper chair part portion of the infant chair, thereby forming a loop or eye that can be hooked onto a suitable part of the base chair, for example, upwardly projecting side members or the like. Instead of one or more loops, the upper chair part portion of the infant chair may optionally be provided with one or more pockets or hook devices that are hooked onto the back part or side members of the base chair so that the chair part of the infant chair is at the same time pivotal. Other fastening devices may also conceivably be used, for example, one or more clamping devices which are clamped to the base chair. It is also conceivable that the

upper fastening device is configured in the same way as the lower fastening device. That is to say that the upper fastening device is adapted to slide up and down in a corresponding groove in one or more parts of the base chair. It is conceivable, for instance, that two upper fastening devices are fastened to either the infant chair or the base chair so that the infant chair is detachably fastened to the base chair, and where the two upper fastening devices are adapted to slide up and down in their respective groove arranged in two side members. When there is just one upper fastening device, it can be adapted to slide up and down in a corresponding groove in a central column of the base chair. Alternatively, one or more sleeves may be used that surround, for example, the central column of the base chair or the two side members of the base chair, depending on the design of the base chair.

[0016] If the infant chair comprises two or more supporting elements, they may be configured as rockers, thereby allowing the infant chair to function as a cradle when the infant chair is not fastened to the base chair and is placed on a flat surface.

[0017] The at least one supporting element may alternatively be configured so that it can support the chair part of the infant chair, thereby allowing the chair part to assume a sitting position on a flat surface when the infant chair is not fastened to the base chair.

[0018] In an assembled position of the infant chair and the base chair, the infant chair comprises at least one supporting element having a first end portion and a second end portion, the first end portion being pivotally fastened to the chair part of the infant chair and the second end portion being pivotally fastened to the base chair by means of at least one lower fastening device. The upper chair part portion is pivotally fastened to the base chair by means of at least one upper fastening device, and the at least one upper fastening device and the at least one lower fastening device are movably arranged in relation to one another so that the position of the chair part of the infant chair can be adjusted between a lying position and a sitting position.

[0019] The base chair comprises, in an embodiment, a central chair column with one or more grooves in which the at least one lower fastening device and/or the at least one upper fastening device are slidably arranged.

[0020] In an embodiment, the base chair comprises a seat part that can be moved up and down in relation to the rest of the chair, where the at least one lower fastening device either is configured as a part of the seat part or is fastened to the seat part. Alternatively, the base chair may comprise a footrest part that can be adjusted up and down in relation to the rest of the base chair, where the at least one lower fastening device is configured as a part of the footrest part or is fastened to the footrest part.

[0021] The chair part of the infant chair can preferably be adjusted steplessly to all positions between the lying position and the sitting position, but it is also an option that the chair part of the infant chair can be adjusted step by step to a number of positions between the lying posi-

tion and the sitting position.

[0022] Some preferred embodiments of the invention are described below with reference to the figures, wherein:

Figure 1 shows a first embodiment of the infant chair fastened to a base chair and adjusted to a sitting position for the infant.

Figure 2 shows the first embodiment of the infant chair fastened to a base chair and adjusted to a lying position for the infant.

Figure 3 shows a second embodiment of the infant chair fastened to a base chair and adjusted to a sitting position for the infant.

Figure 4 shows the second embodiment of the infant chair fastened to a base chair and adjusted to a lying position for the infant.

Figure 5 shows the infant chair as shown in Figures 1-4, where the infant chair is used as a cradle alone on a flat surface.

Figure 6 shows a third embodiment of the infant chair fastened to a base chair and adjusted to a sitting position for the infant.

Figure 7 shows the third embodiment of the infant chair fastened to a base chair and adjusted to a lying position for the infant.

Figure 8 shows a fourth embodiment of the infant chair fastened to a base chair and adjusted to a sitting position for the infant.

Figure 9 shows the fourth embodiment of the infant chair fastened to a base chair and adjusted to a lying position for the infant.

Figure 10 shows the infant chair as shown in Figures 6-9, where the infant chair is used as a cradle alone on a flat surface.

Figure 11 shows a fifth embodiment of the infant chair fastened to a base chair and adjusted to a sitting position for the infant.

Figure 12 shows the fifth embodiment of the infant chair fastened to a base chair and adjusted to a lying position for the infant.

[0023] A number of different embodiments of the invention are described below. The different embodiments are, however, quite similar and the same reference numerals are therefore used to indicate the same or similar technical features of the different embodiments.

[0024] In common for all the embodiments shown in Figures 1-10 is that the chair assembly 10 comprises a base chair 12 and an infant chair 16 that is fastened to the base chair. The base chair 12 comprises a column 13 that projects up from a base 14. Arranged on the column 13 are a footrest part 39 and a seat part 36, both of which are arranged to be movable up and down along the column 14. There are also provided locking means 37 for the seat part and 40 for the footrest part for locking the seat part and the footrest part in a desired position.

[0025] The base chair also comprises a back part 33 which at an upper edge is configured with an upwardly projecting back part 34 to which the infant chair 16 can be fastened with the aid of an upper fastening device 21, for example a hood or a loop that is slipped down onto the upward projecting back part 34.

[0026] The infant chair 16 comprises a chair part 17 having an upper chair part portion 18 and a lower chair part portion 19. The infant chair further comprises a supporting element 28, for example, a stay, having a first end portion 29 that is pivotally fastened to the lower chair part portion 19 of the infant chair 16 with the aid of a chair part fastening device 31 and pivotally fastened to a fastening device 22 on the base chair 12. By moving the fastening device 22 up or down along the column 13 of the base chair 12, the infant chair can be adjusted from a lying position to a sitting position for an infant that is placed in the infant chair 16.

[0027] The difference between the different embodiments of the invention that are illustrated resides primarily in where the lower fastening device 22 is arranged on the base chair 12.

[0028] In the embodiment shown in Figures 1-2 the fastening device 22 is arranged on the seat part 36 of the base chair 12 or is configured as an integral part of the seat part 36. In Figure 1 the infant chair is shown in a sitting position, whilst by moving the seat part 36 downwards, the infant chair 16 is moved into a lying position as shown in Figure 2.

[0029] In the embodiment shown in Figures 3-4 the fastening device 22 is arranged on the footrest part 39 of the base chair 12 or is configured as an integral part of the footrest part 39. In Figure 3 the infant chair is shown in a sitting position, whilst by moving the footrest part 39 downwards, the infant chair 16 is moved to a lying position as shown in Figure 4.

[0030] In Figure 1-5 the infant chair 16 is shown with supporting elements that are curved so as to form rockers. The infant chair 16 can thus be used as a cradle when it is not fastened to the base chair 12 as shown in Figure 5.

[0031] In the embodiment shown in Figures 6-7 the fastening device 22 is arranged on the column 13 of the base chair 12. In Figure 6 the infant chair is shown in a sitting position, whilst by moving the fastening device 22 upwards along the column 13 of the base chair 12, the infant chair 16 is moved to a lying position as shown in Figure 7.

[0032] In the embodiment shown in Figures 8-9 the fastening device 22 is arranged on the seat part 36 of the base chair 12 or is configured as an integral part of the seat part 36. In Figure 8 the infant chair is shown in a sitting position, whilst by moving the seat part 36 downwards, the infant chair 16 is moved to a lying position as shown in Figure 9.

[0033] In Figures 6-10 the supporting element 28 is configured as a straight stay. There is otherwise no difference from the embodiment in Figures 1-4. Figure 10 shows that the infant chair can be used as a sitting chair with the supporting element 28 supporting the infant chair when it is placed on a flat underlying surface.

[0034] Figures 11 and 12 show a slightly different embodiment of the infant chair as it is configured with a rigid plate element 38 which rests against the front edge of the seat part 36. By moving the seat part 36 up or down along the column 13 of the base chair 12, the infant chair can be moved from a sitting position as shown in Figure 11 to a lying position as shown in Figure 12.

Claims

1. An infant chair (16) that is adapted to be fastened to a base chair (12), which infant chair (16) comprises a chair part (17) having an upper chair part portion (18) and a lower chair part portion (19), the infant chair being configured such that the chair part (17) can be adjusted between a lying position and a sitting position for an infant, and wherein the infant chair (16) further comprises at least one supporting element (28) having a first end portion (29) and a second end portion, **characterised in that** the first end portion (29) is pivotally fastened to the infant chair's chair part (17) and the second end portion comprises a lower fastening device (22) adapted for pivotal and detachable fastening to the base chair (12), and wherein the upper chair part portion (18) of the infant chair is arranged for pivotal and detachable fastening to the base chair (12).
2. An infant chair according to claim 1, **characterised in that** the upper chair part portion (18) comprises at least one upper fastening device (21), and that the at least one upper fastening device is arranged to be fastened detachably to the base chair (12).
3. An infant chair according to claim 2, **characterised in that** the at least one upper fastening device (21) is configured as a hood or a loop that can be slipped down onto the chair or a part of the chair.
4. An infant chair according to claim 2, **characterised in that** the at least one upper fastening device (21) is configured as a clamp device that can be clamped to the chair or a part of the chair.
5. An infant chair according to one of claims 1-7, **characterised in that** the at least one supporting element (28) is configured so as to be able to support the infant chair's chair part (17) thereby allowing the chair part to assume a sitting position on a flat underlying surface when the infant chair (16) is not fastened to the base chair (12).
6. A chair assembly (10) which, when assembled, comprises a base chair (12) and an infant chair (16) adapted to be fastened to the base chair (12), which infant chair comprises a chair part (17) having an upper chair part portion (18) and a lower chair part portion (19) and is configured such that the infant can sit or lie in the chair part (17) depending on the position of the chair part, **characterised in that** the infant chair (16) comprises at least one supporting element (28) having a first end portion (29) and a second end portion, which first end portion (29) is pivotally fastened to the chair part (17) of the infant chair and which second end portion is pivotally fastened to the base chair (12) by at least one lower fastening device (22); which upper chair part portion (18) is pivotally fastened to the base chair (12) by at least one upper fastening device (21); and wherein the at least one upper fastening device (21) and the at least one lower fastening device (22) are movably arranged in relation to one another such that the position of the infant chair's chair part (17) can be adjusted between a lying position and a sitting position.
7. A chair assembly according to claim 6, **characterised in that** the at least one lower fastening device (22) is fastened to the second end portion of the at least one supporting element (28) and that the at least one lower fastening device (22) is detachably fastened to the base chair (12).
8. A chair assembly according to claim 6, **characterised in that** the at least one upper fastening device (21) is fastened to the upper chair part portion (18) of the infant chair and that the upper fastening device (21) is detachably fastened to the base chair (12).
9. A chair assembly according to one of claims 6-8, **characterised in that** the at least one upper fastening device (21) is configured as a hood or a loop that can be slipped down onto the base chair (12) or a part of the base chair.
10. A chair assembly according to one of claims 6-9, **characterised in that** the base chair (12) comprises a chair frame and that the at least one lower fastening device (22) and/or the at least one, upper fastening device (21) is slidably arranged in one or more

grooves in the chair frame.

11. A chair assembly according to one of claims 6-10,
characterised in that the base chair (12) comprises
a seat part (36) which can be moved up and down
in relation to the rest of the chair, and that the at least
one lower fastening device (22) either is configured
as a part of the seat part (36) or is fastened to the
seat part (36).
12. A chair assembly according to one of claims 6-11,
characterised in that the base chair (12) comprises
a footrest part (39) that can be adjusted up and down
in relation to the rest of the base chair (12), and that
the at least one lower fastening device (22) is con-
figured as a part of the footrest part (39) or is fastened
to the footrest part (39).
13. A chair assembly according to one of claims 6-12,
characterised in that the chair part (36) of the infant
chair can be adjusted steplessly to all positions be-
tween the lying position and the sitting position.
14. A chair assembly according to one of claims 6-13,
characterised in that the chair part (36) of the infant
chair can be adjusted step by step to a number of
positions between the lying position and the sitting
position.
15. A chair assembly according to one of claims 6-14,
characterised in that the at least one supporting
element (28) is configured so that it can support the
chair part (36) of the infant chair such that the chair
part can assume a sitting position on a flat underlying
surface when the infant chair (16) is not fastened to
a chair.

Patentansprüche

1. Kinderstuhl (16), der dazu ausgelegt ist, an einem
Basisstuhl (12) befestigt zu werden, wobei der Kin-
derstuhl (16) ein Stuhlteil (17) mit einem oberen
Stuhlteilbereich (18) und einem unteren Stuhlteilbe-
reich (19) aufweist, wobei der Kinderstuhl derart kon-
figuriert ist, dass das Stuhlteil (17) zwischen einer
Liegeposition und einer Sitzposition für ein Kind ein-
gestellt werden kann, wobei der Kinderstuhl (16) fer-
ner mindestens ein Stützelement (28) mit einem ers-
ten Endbereich (29) und einem zweiten Endbereich
aufweist,
dadurch gekennzeichnet,
dass der erste Endbereich (29) gelenkig an dem Kin-
derstuhl-Stuhlteil (19) befestigt ist und der zweite
Endbereich eine untere Befestigungseinrichtung
(22) aufweist, die für eine gelenkige und lösbare Be-
festigung an dem Basisstuhl (12) ausgelegt ist, wo-
bei der obere Stuhlteilbereich (18) des Kinderstuhls

für eine gelenkige und lösbare Befestigung an dem
Basisstuhl (12) ausgelegt ist.

2. Kinderstuhl nach Anspruch 1,
dadurch gekennzeichnet,
dass der obere Stuhlteilbereich (18) mindestens ei-
ne obere Befestigungseinrichtung (21) aufweist und
dass die mindestens eine obere Befestigungsein-
richtung derart angeordnet ist, dass sie lösbar an
dem Basisstuhl (12) befestigbar ist.
3. Kinderstuhl nach Anspruch 2,
dadurch gekennzeichnet,
dass die mindestens eine obere Befestigungsein-
richtung (21) als Haube oder Schlaufe ausgebildet
ist, die auf den Stuhl oder ein Teil des Stuhles nach
unten aufgleiten kann.
4. Kinderstuhl nach Anspruch 2,
dadurch gekennzeichnet,
dass die mindestens eine obere Befestigungsein-
richtung (21) als Klemmeinrichtung ausgebildet ist,
die an dem Stuhl oder einem Teil des Stuhls festge-
klemmt werden kann.
5. Kinderstuhl nach einem der Ansprüche 1 bis 4,
dadurch gekennzeichnet,
dass das mindestens eine Stützelement (28) derart
konfiguriert ist, dass es in der Lage ist, das Stuhlteil
(17) des Kinderstuhls abzustützen, um es dem
Stuhlteil zu ermöglichen, eine Sitzposition auf einer
flachen darunterliegenden Oberfläche einzunehmen,
wenn der Kinderstuhl (16) nicht an dem Basis-
stuhl (12) befestigt ist.
6. Stuhlanordnung (10), die im zusammengebauten
Zustand einen Basisstuhl (12) und einen Kinderstuhl
(16) aufweist, der dazu ausgelegt ist, an dem Basis-
stuhl (12) befestigt zu werden, wobei der Kinderstuhl
ein Stuhlteil (17) mit einem oberen Stuhlteilbereich
(18) und einem unteren Stuhlteilbereich (19) auf-
weist und derart konfiguriert ist, dass das Kind in
dem Stuhlteil (17) in Abhängigkeit von der Position
des Stuhlteiles sitzen oder liegen kann,
dadurch gekennzeichnet,
dass der Kinderstuhl (16) mindestens ein Stützele-
ment (28) mit einem ersten Endbereich (29) und ei-
nem zweiten Endbereich aufweist, wobei der erste
Endbereich (29) gelenkig an dem Stuhlteil (17) des
Kinderstuhls befestigt wird, und wobei der zweite
Endbereich mit mindestens einer unteren Befesti-
gungseinrichtung (22) gelenkig an dem Basisstuhl
(12) befestigt wird; wobei der obere Stuhlteilbereich
(18) mit mindestens einer oberen Befestigungsein-
richtung (21) gelenkig an dem Basisstuhl (12) befest-
igt wird; und wobei die mindestens eine obere Be-
festigungseinrichtung (21) und die mindestens eine
untere Befestigungseinrichtung (22) in Relation zu-

einander beweglich angeordnet sind, sodass die Position des Stuhlteils (17) des Kinderstuhls zwischen einer Liegeposition und einer Sitzposition eingestellt werden kann.

7. Stuhlanordnung nach Anspruch 6,
dadurch gekennzeichnet,
dass die mindestens eine untere Befestigungseinrichtung (22) an dem zweiten Endbereich des mindestens einen Stützelementes (28) befestigt ist,
und **dass** die mindestens eine untere Befestigungseinrichtung (22) lösbar an dem Basisstuhl (12) befestigt ist.
8. Stuhlanordnung nach Anspruch 6,
dadurch gekennzeichnet,
dass die mindestens eine obere Befestigungseinrichtung (21) an dem oberen Stuhlteilbereich (18) des Kinderstuhls befestigt ist,
und **dass** die obere Befestigungseinrichtung (21) lösbar an dem Basisstuhl (12) befestigt ist.
9. Stuhlanordnung nach einem der Ansprüche 6 bis 8,
dadurch gekennzeichnet,
dass die mindestens eine obere Befestigungseinrichtung (21) in Form einer Haube oder Schlaufe konfiguriert ist, die auf den Basisstuhl (12) oder einen Teil des Basisstuhls nach unten aufgleiten kann.
10. Stuhlanordnung nach einem der Ansprüche 6 bis 9,
dadurch gekennzeichnet,
dass der Basisstuhl (12) einen Stuhlrahmen aufweist,
und **dass** die mindestens eine untere Befestigungseinrichtung (22) und/oder die mindestens eine obere Befestigungseinrichtung (21) gleitend verschiebbar in einer oder mehreren Nuten in dem Stuhlrahmen angeordnet ist.
11. Stuhlanordnung nach einem der Ansprüche 6 bis 10,
dadurch gekennzeichnet,
dass der Basisstuhl (12) ein Sitzteil (36) aufweist, das in Relation zu dem Rest des Stuhls nach oben und unten bewegt werden kann,
und **dass** die mindestens eine untere Befestigungseinrichtung (22) entweder als Teil des Sitzteils (36) konfiguriert ist oder an dem Sitzteil (36) befestigt ist.
12. Stuhlanordnung nach einem der Ansprüche 6 bis 11,
dadurch gekennzeichnet,
dass der Basisstuhl (12) ein Fußstützteil (3) aufweist, das in Relation zu dem Rest des Basisstuhls (12) aufwärts und abwärts eingestellt werden kann, und dass die mindestens eine untere Befestigungseinrichtung (22) als Teil des Fußstützteiles (39) konfiguriert ist oder an dem Fußstützteil (39) befestigt ist.
13. Stuhlanordnung nach einem der Ansprüche 6 bis 12,

dadurch gekennzeichnet,

dass das Stuhlteil (36) des Kinderstuhls stufenlos in alle Positionen zwischen der Liegeposition und der Sitzposition eingestellt werden kann.

14. Stuhlanordnung nach einem der Ansprüche 6 bis 13,
dadurch gekennzeichnet,
dass das Stuhlteil (36) des Kinderstuhls Schritt für Schritt in eine Anzahl von Positionen zwischen der Liegeposition und der Sitzposition eingestellt werden kann.
15. Stuhlanordnung nach einem der Ansprüche 6 bis 14,
dadurch gekennzeichnet,
dass das mindestens eine Stützelement (28) derart konfiguriert ist, dass es das Stuhlteil (36) des Kinderstuhls abstützen kann, derart, dass das Stuhlteil eine Sitzposition auf einer flachen darunterliegenden Oberfläche einnehmen kann, wenn der Kinderstuhl (16) nicht an einem Stuhl befestigt ist.

Revendications

1. Chaise (16) pour enfant qui est conçue pour être fixée à une chaise de base (12), ladite chaise (16) pour enfant comprenant un élément chaise (17) possédant une partie supérieure d'élément chaise (18) et une partie inférieure d'élément chaise (19), la chaise pour enfant étant configurée de sorte que l'élément chaise (17) puisse être réglé entre une position couchée et une position assise pour un enfant, et dans laquelle la chaise (16) pour enfant comprend en outre au moins un élément de support (28) possédant une première partie d'extrémité (29) et une seconde partie d'extrémité, **caractérisée en ce que** la première partie d'extrémité (29) est fixée de façon pivotante à l'élément chaise (19) de la chaise pour enfant et la seconde partie d'extrémité comprend un dispositif de fixation inférieur (22) conçu pour une fixation pivotante et amovible à la chaise de base (12), et dans laquelle la partie supérieure d'élément chaise (18) de la chaise pour enfant est conçue pour une fixation pivotante et amovible à la chaise de base (12).
2. Chaise pour enfant selon la revendication 1, **caractérisée en ce que** la partie supérieure d'élément chaise (18) comprend au moins un dispositif de fixation supérieur (21), et **en ce que** le au moins un dispositif de fixation supérieur est conçu pour être fixé de manière amovible à la chaise de base (12).
3. Chaise pour enfant selon la revendication 2, **caractérisée en ce que** le au moins un dispositif de fixation supérieur (21) a la configuration d'un chapeau ou d'une boucle que l'on peut faire glisser sur la chaise ou une partie de la chaise.

4. Chaise pour enfant selon la revendication 2,
caractérisée en ce que le au moins un dispositif de fixation supérieur (21) a la configuration d'un dispositif de serrage qui peut être serré sur la chaise ou sur une partie de la chaise.
5. Chaise pour enfant selon l'une des revendications 1-7,
caractérisée en ce que le au moins un élément de support (28) est configuré de manière à pouvoir supporter l'élément chaise (17) de la chaise pour enfant, permettant ainsi à l'élément chaise de prendre une position assise sur une surface sous-jacente plate lorsque la chaise (16) pour enfant n'est pas fixée à la chaise de base (12).
6. Ensemble chaise (10) qui, lorsqu'il est assemblé, comprend une chaise de base (12) et une chaise (16) pour enfant conçue pour être fixée sur la chaise de base (12), ladite chaise pour enfant comprenant un élément chaise (17) possédant une partie supérieure d'élément chaise (18) et une partie inférieure d'élément chaise (19) et est configurée de sorte que l'enfant puisse être assis ou couché dans l'élément chaise (17) en fonction de la position de l'élément chaise,
caractérisé en ce que la chaise (16) pour enfant comprend au moins un élément de support (28) possédant une première partie d'extrémité (29) et une seconde partie d'extrémité, ladite première partie d'extrémité (29) étant fixée de façon pivotante à l'élément chaise (17) de la chaise pour enfant et ladite seconde partie d'extrémité étant fixée de façon pivotante à la chaise de base (12) par au moins un dispositif de fixation inférieur (22) ; ladite partie supérieure d'élément chaise (18) est fixée de façon pivotante à la chaise de base (12) par au moins un dispositif de fixation supérieur (21) ; et dans lequel le au moins un dispositif de fixation supérieur (21) et le au moins un dispositif de fixation inférieur (22) sont agencés de façon mobile l'un par rapport à l'autre de sorte que la position de l'élément chaise (17) de la chaise pour enfant puisse être réglée entre une position couchée et une position assise.
7. Ensemble chaise selon la revendication 6,
caractérisé en ce que le au moins un dispositif de fixation inférieur (22) est fixé à la seconde partie d'extrémité du au moins un élément de support (28) et **en ce que** le au moins un dispositif de fixation inférieur (22) est fixé de manière amovible à la chaise de base (12).
8. Ensemble chaise selon la revendication 6,
caractérisé en ce que le au moins un dispositif de fixation supérieur (21) est fixé à la partie supérieure d'élément chaise (18) de la chaise pour enfant et **en ce que** le dispositif de fixation supérieur (21) est fixé de manière amovible à la chaise de base (12).
9. Ensemble chaise selon l'une des revendications 6 à 8,
caractérisé en ce que le au moins un dispositif de fixation supérieur (21) a la configuration d'un chapeau ou d'une boucle que l'on peut faire glisser sur la chaise de base (12) ou sur une partie de la chaise de base.
10. Ensemble chaise selon l'une des revendications 6 à 9,
caractérisé en ce que la chaise de base (12) comprend un cadre de chaise et **en ce que** le au moins un dispositif de fixation inférieur (22) et/ou le au moins un dispositif de fixation supérieur (21) est/sont agencé/agencés de façon coulissante dans une ou plusieurs rainures ménagées dans le cadre de chaise.
11. Ensemble chaise selon l'une des revendications 6 à 10,
caractérisé en ce que la chaise de base (12) comprend un élément siège (36) qui peut monter et descendre par rapport au reste de la chaise, et **en ce que** le au moins un dispositif de fixation inférieur (22) est configuré en tant que partie de l'élément siège (36) ou est fixé à l'élément siège (36).
12. Ensemble chaise selon l'une des revendications 6 à 11,
caractérisé en ce que la chaise de base (12) comprend un élément repose-pieds (39) qui peut être réglé de haut en bas par rapport au reste de la chaise de base (12), et **en ce que** le au moins un dispositif de fixation inférieur (22) est configuré en tant que partie de l'élément repose-pieds (39) ou est fixé à l'élément repose-pieds (39).
13. Ensemble chaise selon l'une des revendications 6 à 12,
caractérisé en ce que l'élément chaise (36) de la chaise pour enfant peut être réglé progressivement dans toutes les positions entre la position couchée et la position assise.
14. Ensemble chaise selon l'une des revendications 6 à 13,
caractérisé en ce que l'élément chaise (36) de la chaise pour enfant peut être réglé pas à pas jusqu'à un certain nombre de positions entre la position couchée et la position assise.
15. Ensemble chaise selon l'une des revendications 6 à 14,
caractérisé en ce que le au moins un élément de support (28) est configuré de sorte qu'il puisse supporter l'élément chaise (36) de la chaise pour enfant

de sorte que l'élément chaise puisse prendre une position assise sur une surface sous-jacente plate lorsque la chaise (16) pour enfant n'est pas fixée à une chaise.

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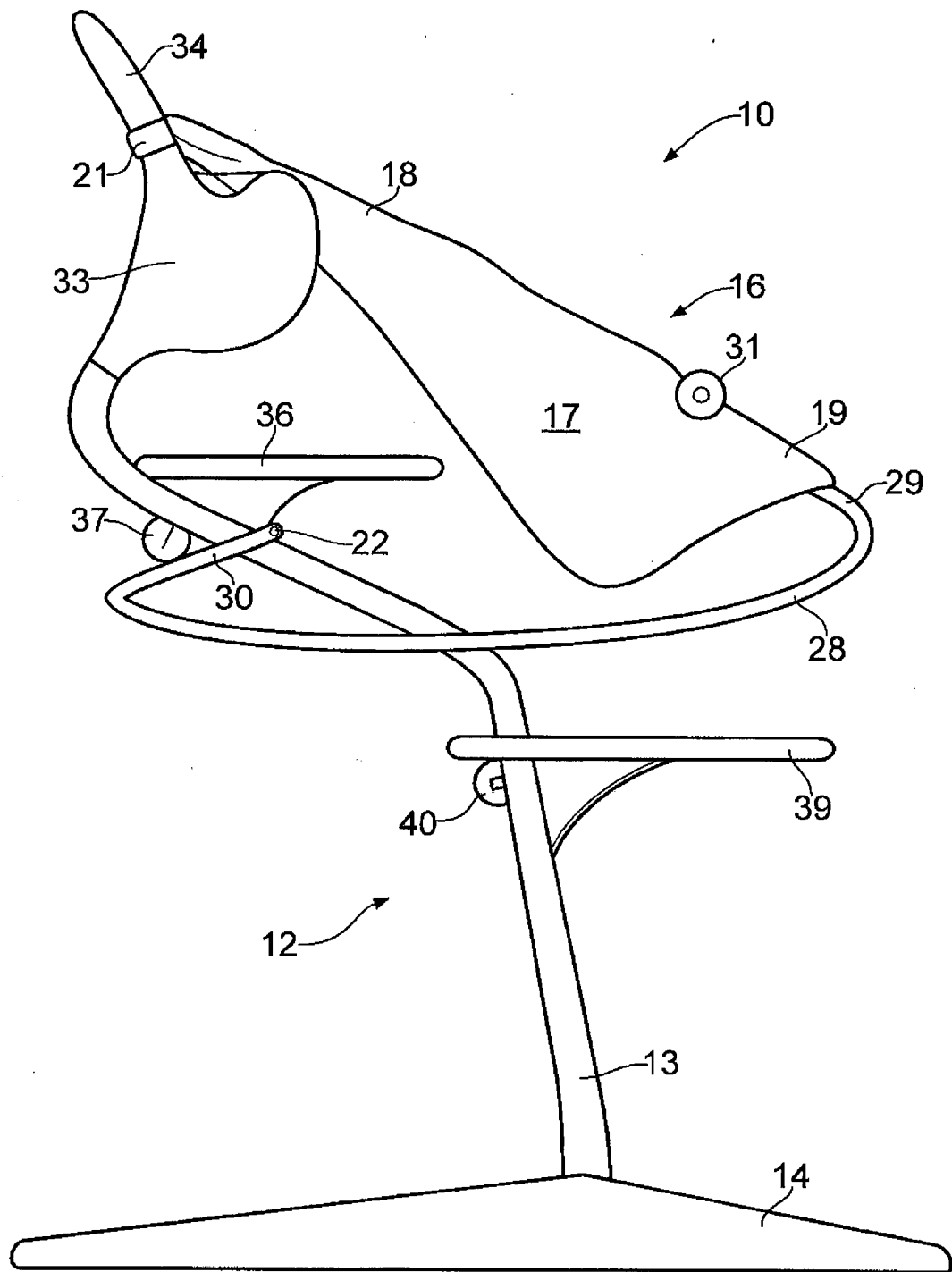


FIG. 1

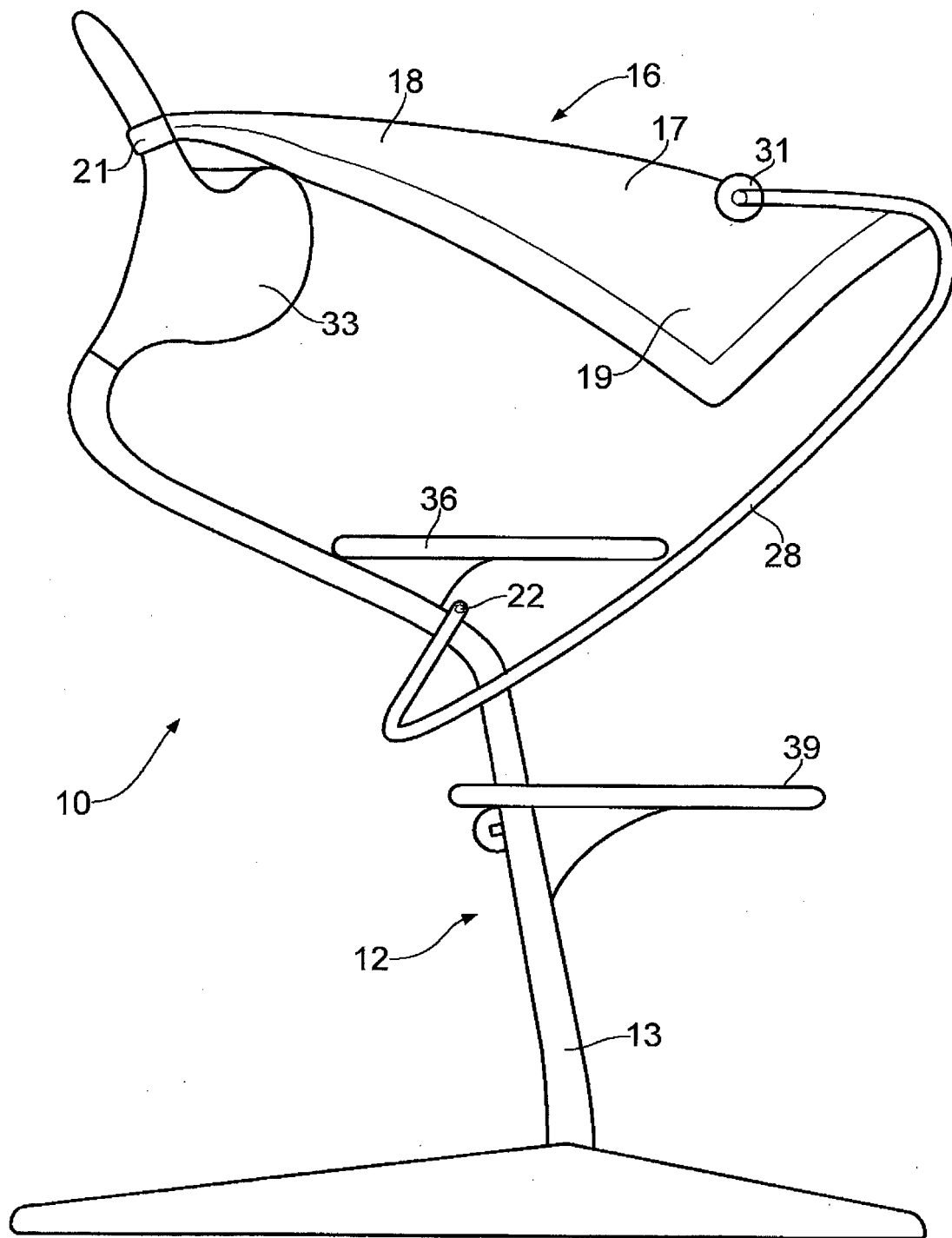


FIG. 2

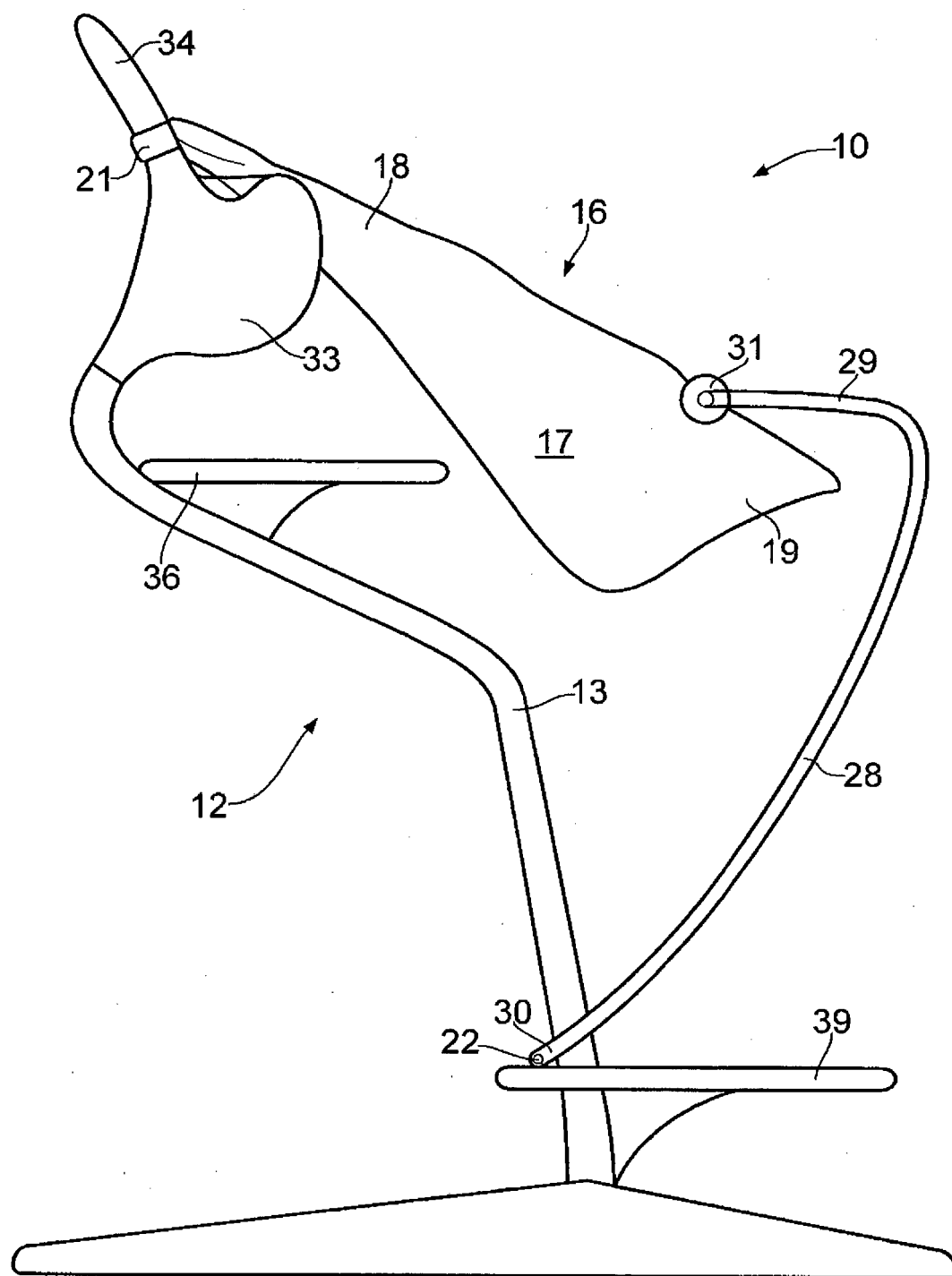


FIG. 3

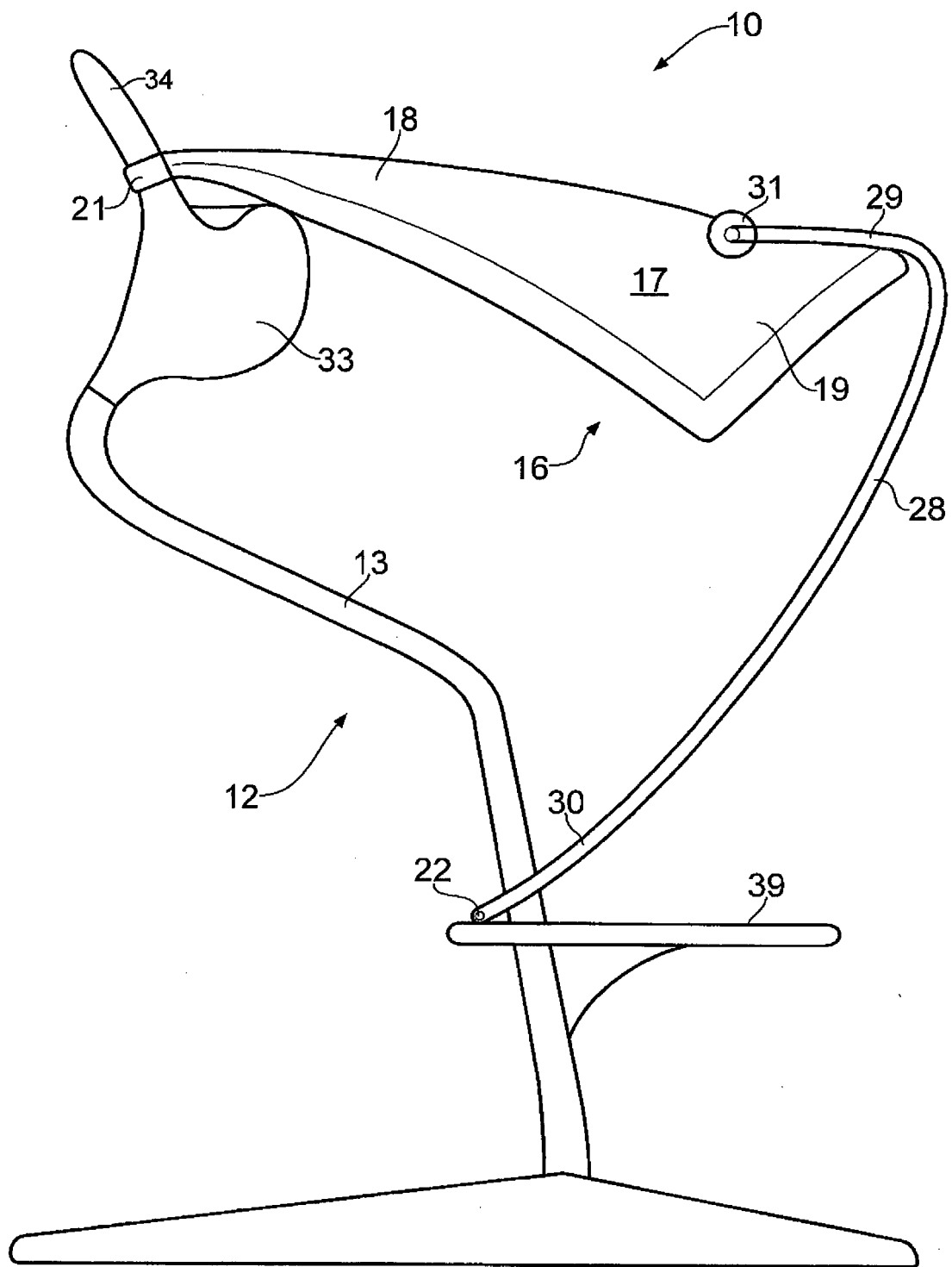


FIG. 4

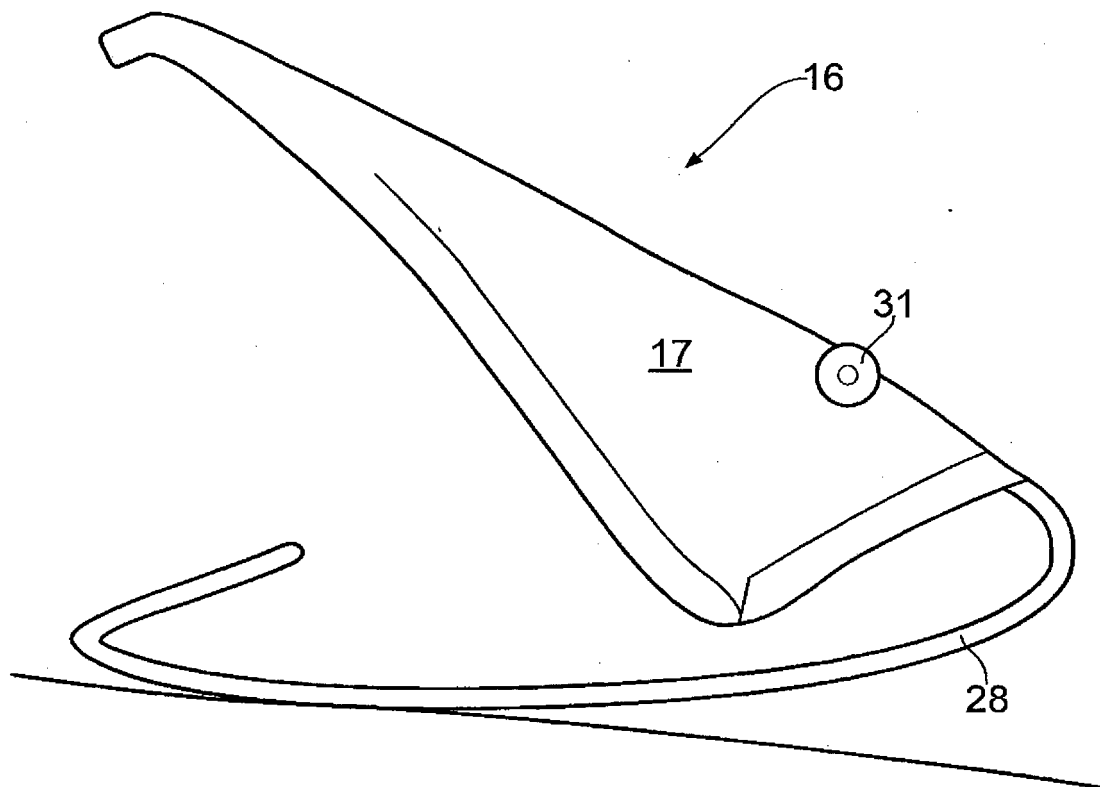


FIG. 5

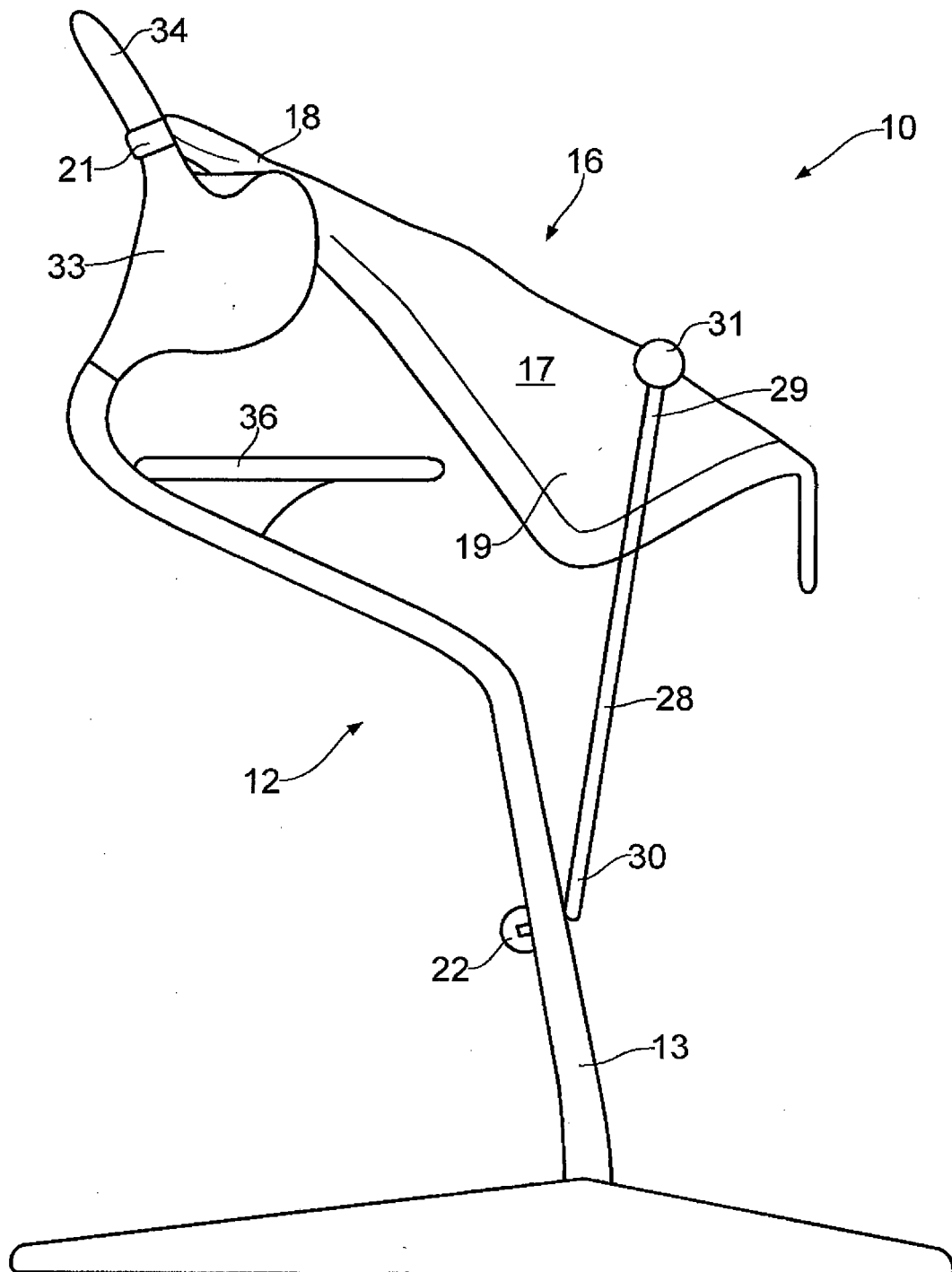


FIG. 6

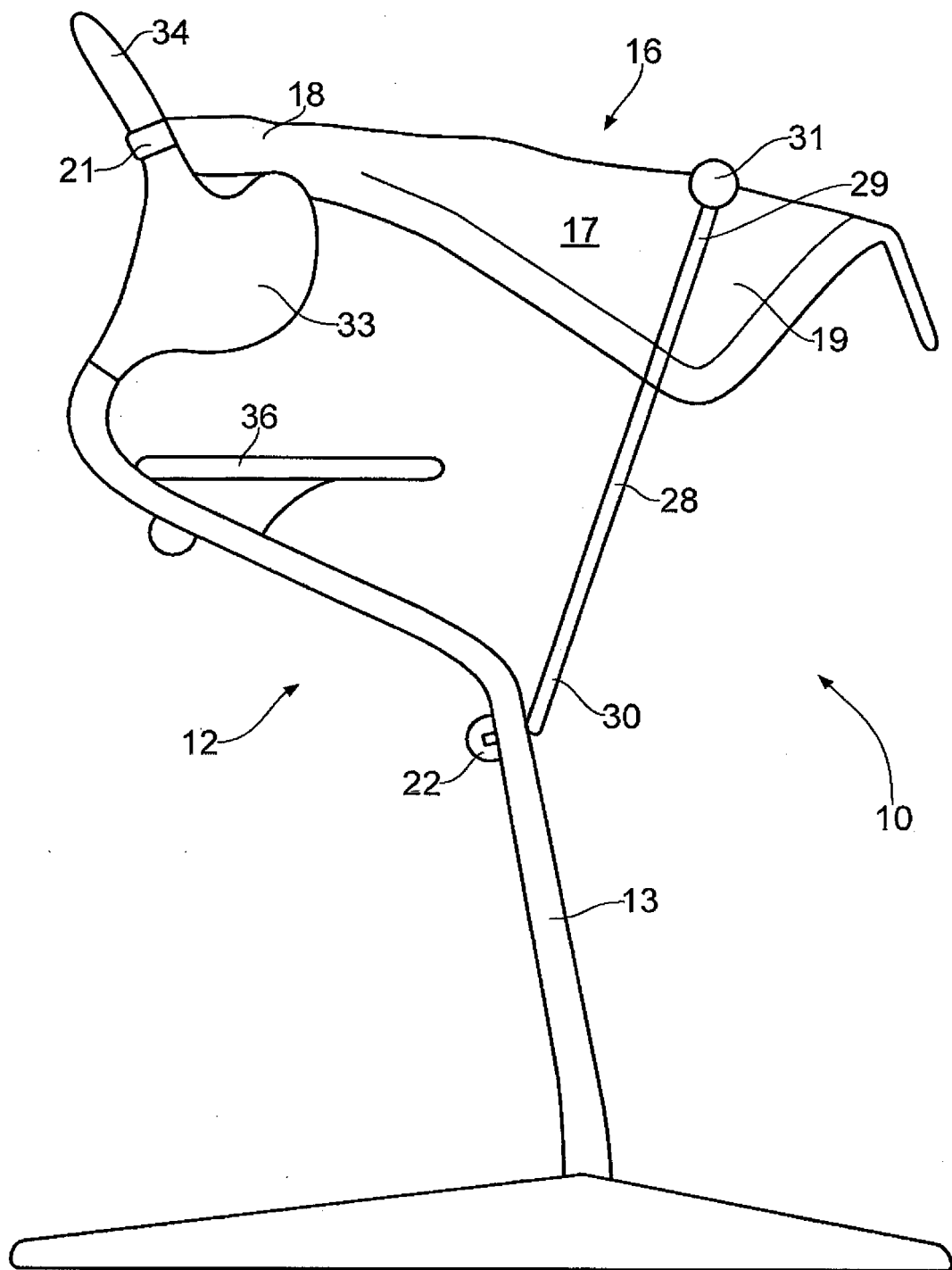


FIG. 7

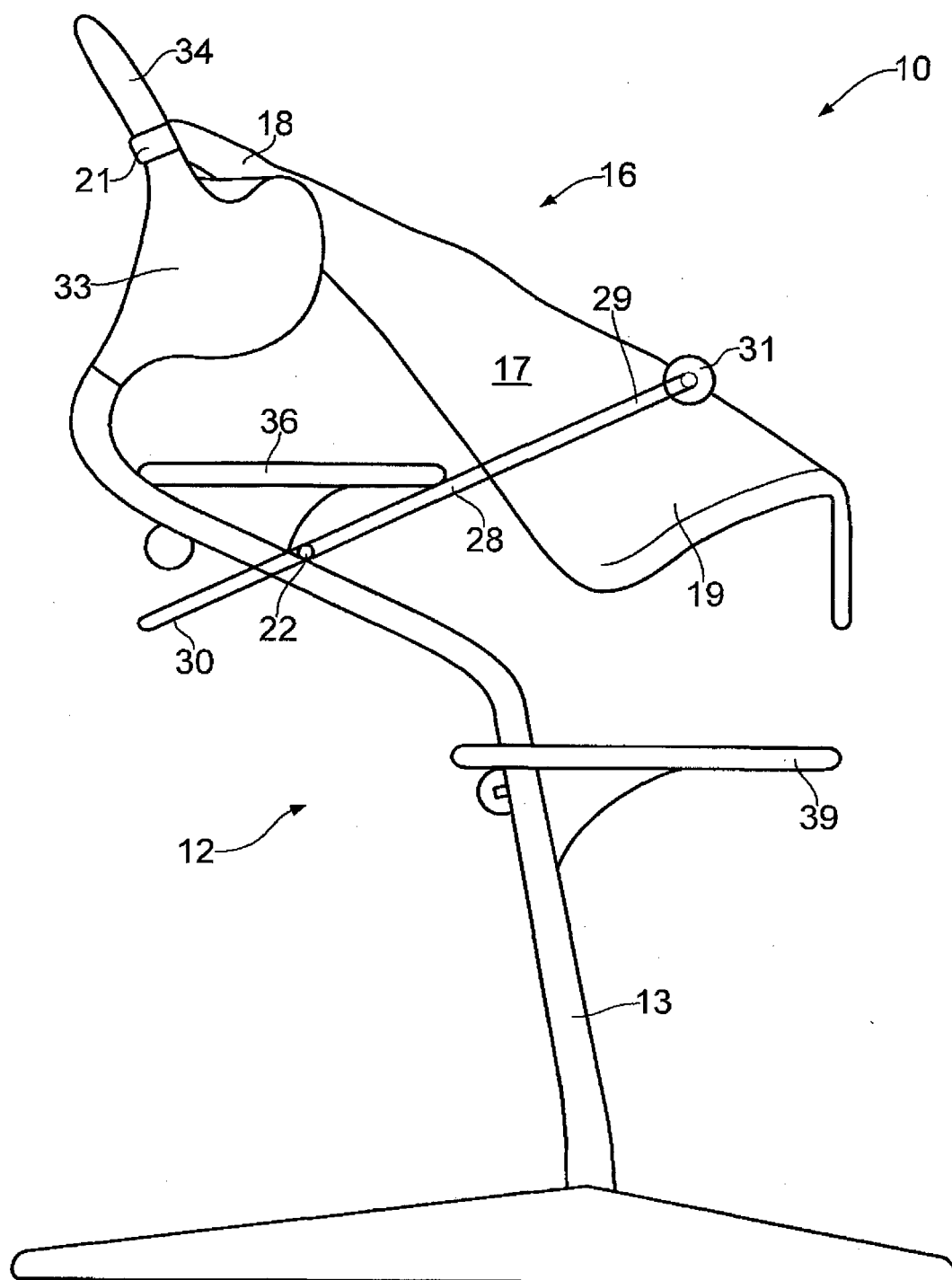


FIG. 8

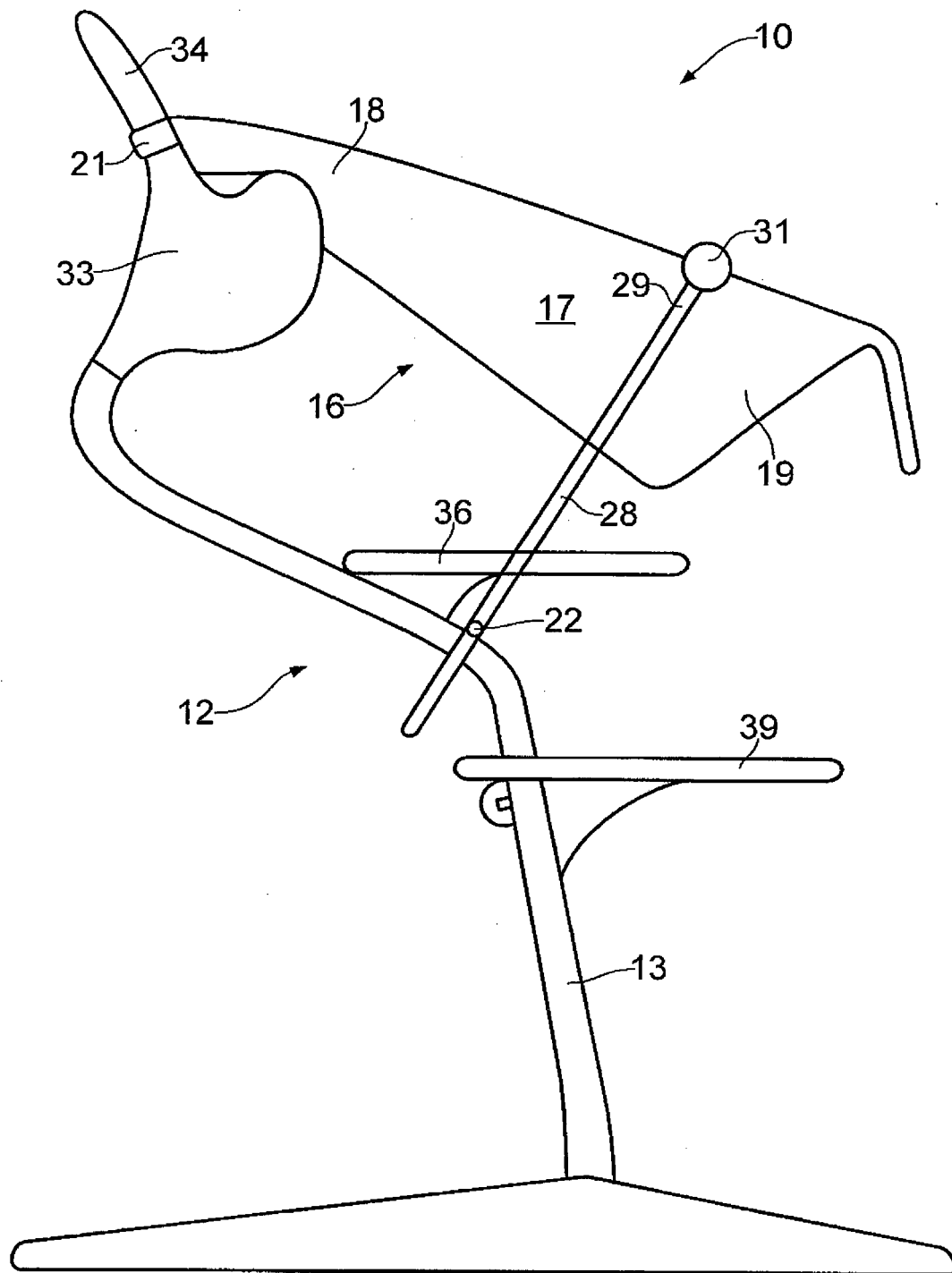


FIG. 9

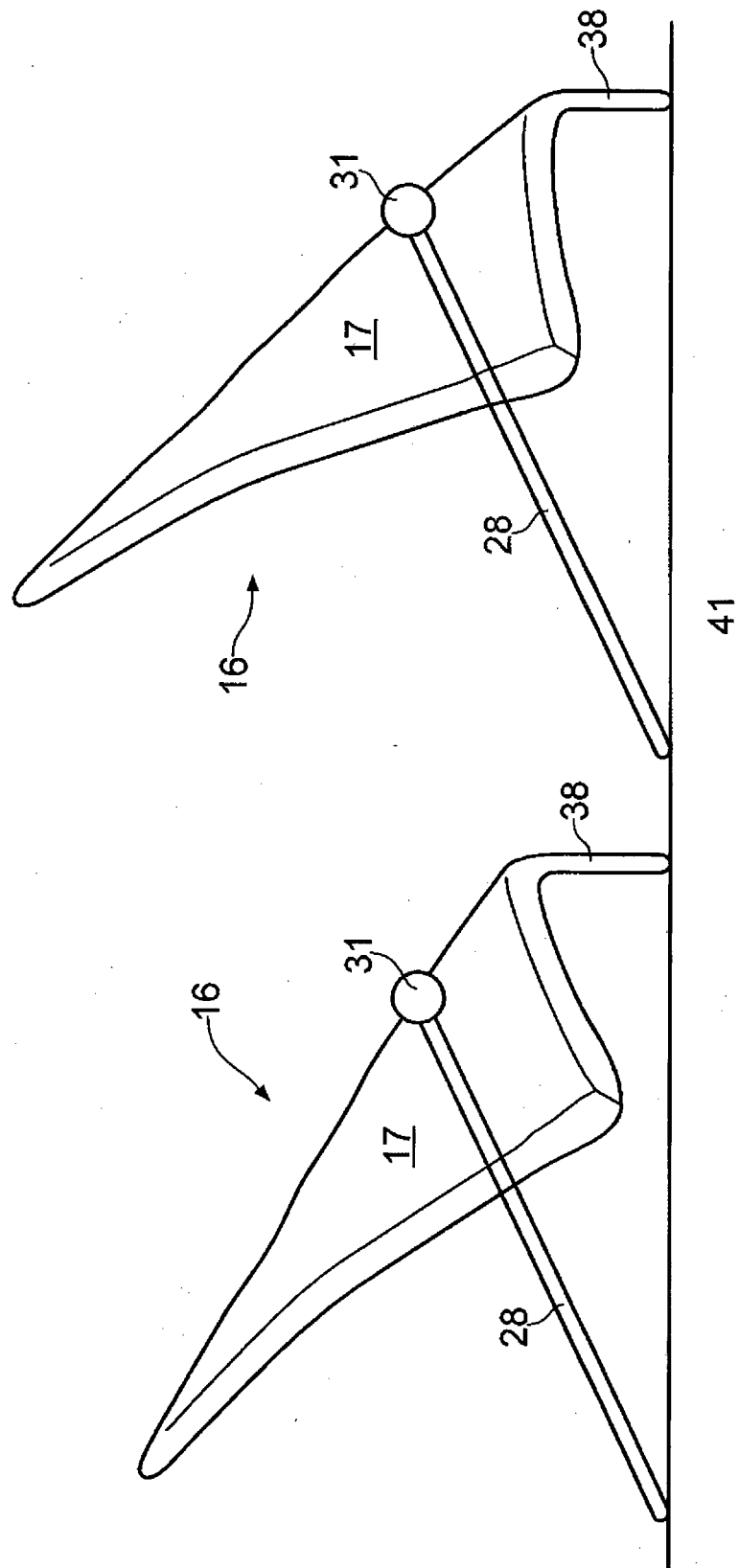


FIG. 10

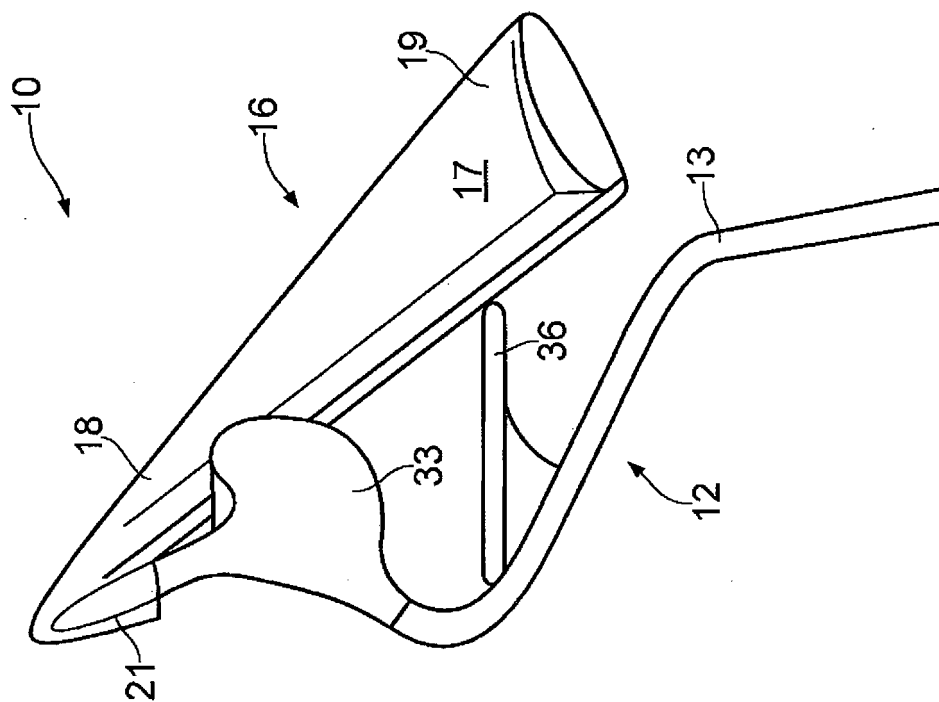


FIG. 12

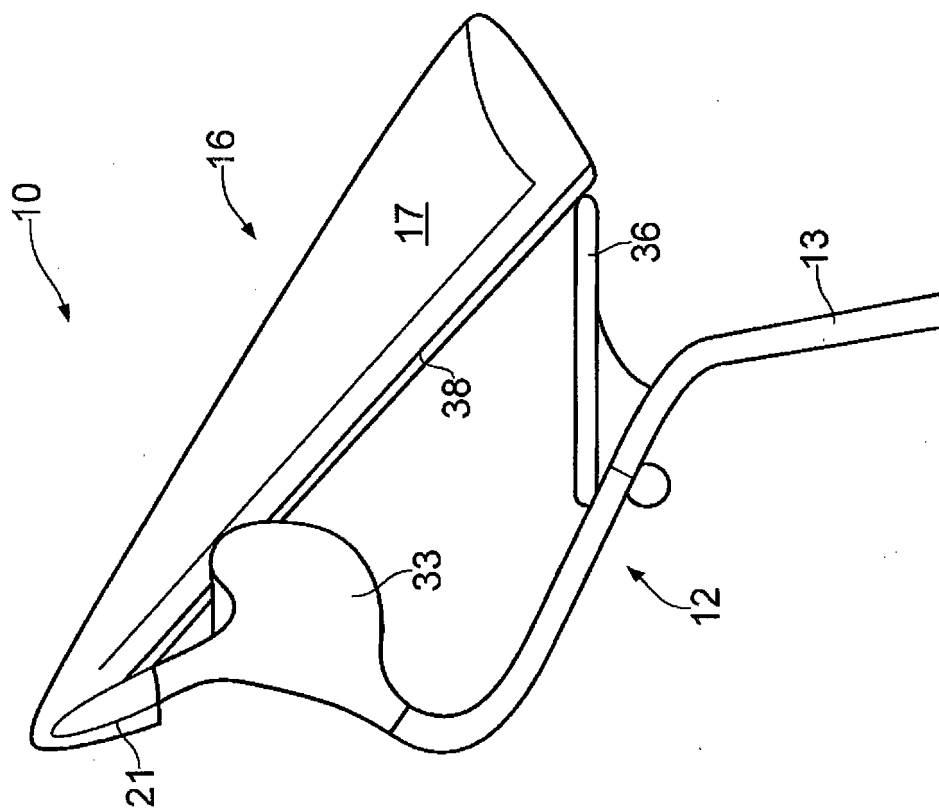


FIG. 11

REFERENCES CITED IN THE DESCRIPTION

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