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CN-U- 205 306 348
FR-A1- 3 066 897
KR-A- 20120 018 889
KR-A- 20130 029 298

DESCRIPTION

BACKGROUND

[0001] The invention relates to a seat.

[0002] The invention further relates to a furniture arrangement.

[0003] It is known seats or chairs that can be hung on e.g. an edge of a table. This may facilitate, for instance, cleaning of floor in the surroundings of the table. A problem with this kind of seats is that the table has to be provided with a special seat hanger element in which the seat is attached. The hanger element complicates the structure of the table and causes extra material and manufacturing costs. Examples of the prior art are shown in KR 2013 0029298 A as well as in CN 205 306 348 U.

BRIEF DESCRIPTION

[0004] The invention is defined by the independent claims. Further embodiments are defined by the dependent claims. According to the invention, there is provided a seat, comprising a body part, including at least one chair base, a seat part, the seat part being attached to the body part, a slot between a bottom side of the seat part and the body part, the slot having a height and a length and a width, and being accessible from all sides of the seat, the slot being dimensioned such that it is creating points of support for holding up the seat on a horizontal support element positioned from said sides in the slot.

[0005] Thereby a seat that is simple to hang up may be achieved.

[0006] According to the invention, there is further provided a furniture arrangement comprising a seat as described above and a table comprising a table top, wherein the horizontal support element is said table top.

[0007] Thereby a simple furniture arrangement comprising a hangable seat may be achieved.

BRIEF DESCRIPTION OF FIGURES

[0008] Some embodiments illustrating the present disclosure are described in more detail in the attached drawings, in which

Figure 1 is a schematic side view of a detail of a seat,

Figure 2 is a schematic side view of a furniture arrangement,

Figure 3 is a schematic top view of a furniture arrangement, and

Figures 4a and 4b are schematic views of further embodiments of a seat.

[0009] In the figures, some embodiments are shown simplified for the sake of clarity. Similar parts are marked with the same reference numbers in the figures.

DETAILED DESCRIPTION

[0010] Figure 1 is a schematic side view of a detail of a seat. The seat 1 is a stool without a back part. The seat 1 comprises a body part 2 that includes a chair base 3, and a seat part 4. The seat part 4 is attached to the body part 2 such that there is a slot 5 between a bottom side of the seat part 4 and the body part 2.

[0011] The slot 5 has height H and length L and width W. The slot 5 is accessible from side of the seat 1. The slot 5 is dimensioned such that a horizontal support element 7 may be positioned from said side in the slot 5, and point of supports 6 for holding up the seat 1 on said horizontal support element 7 are created in the slot. As can be seen in Figure 2, the seat 1 may incline a bit when hanging on the horizontal support element 7, but due to forces affecting in the slot 5 and dimensions of the slot, the seat 1 does not fall away from the support of the horizontal support element 7. The horizontal support element 7 may be e.g. a table top 12.

[0012] The profile of the seat part 4 may be flat as shown in Figure 1. Alternatively, the seat part 4 may comprise shapes that e.g. for enhancing ergonomics of the seat, such as shown in Figures 4a and 4b.

[0013] The material of the seat part 4 may comprise e.g. wood, wood laminate, metal, polymer, composite etc.

[0014] In the embodiment shown in Figure 1, the body part 2 is construed from tube parts 8. In some other embodiments, the body part 2 may comprise plates or panels, wires, bars etc. Manufacturing material of the body part 2 may be metal, polymer, composite, wood, wood laminate etc. or any combinations thereof.

[0015] In the embodiment shown in Figure 1, the chair base 3 is in form of a four leg base. The seat 1 may be stackable or not stackable.

[0016] In an embodiment, the body part 2 is attached to the seat part 4 by brackets 9, which brackets are arranged to create the slot 5 between the body part 2 and the seat part 4. Furthermore, the slot may end 5 to at least one of said brackets 9. The bracket 9 can be

attached by weld, screw, screw-bolt, glue or it can be a part of the chair base 3 or seat part 4.

[0017] In another embodiment, the body part 2 comprises a geometry arranged to create the slot 5 between the body part 2 and the seat part 4. This kind of structure may be realized e.g. by bending the body part to extend upwards in a suitable way.

[0018] According to the invention shown in Figure 1, there is a slot 5 all around the seat 1. Thus the seat 1 can be hung on the horizontal support element 7 from all sides of the seat 1. Some alternatives to use this kind of embodiment are shown in Figure 3.

[0019] Regarding dimensions of the slot, according to the invention the length L is more than the height H. In some embodiments, the length L is in range of 70mm - 100mm, and height H 20mm - 30mm. However, it is to be emphasized that another dimensions may also be selected.

[0020] In the embodiment shown in Figure 1, the height of the slot 5 is limited by the seat part 4. In this embodiment, the structure of the seat may be very simple. However, in another embodiment, there is an auxiliary body 13 (shown by dashed line in Figure 1) arranged between the seat part 4 and the body part 2. The auxiliary body 13 serves as an upper limit or border of the slot 5.

[0021] In the embodiment shown in Figure 1, the height H of the slot 5 is constant almost all the length of the slot 5. Only "shoulders" of the chair base 3 at the perimeter of the slot 5 cause deviations from the constant height. In another embodiment, the height H may be changing (decreasing or increasing) from the perimeter towards an end of the slot 5. The changing of the height H may be a continuous change, or there may be discontinuous changes in the height H, e.g. due to structural parts of the body part 2 and/or the seat part 4.

[0022] **Figure 2** is a schematic side view of a furniture arrangement, and **Figure 3** is a schematic top view of said furniture arrangement.

[0023] According to an aspect of the invention, a furniture arrangement 14 comprising at least one seat 1 as described in this description, and at least one table 11 having a table top 12. The slot (s) 5 of the at least one seat 1 is/are dimensioned such that the table top 12 can be used as the horizontal support element 7.

[0024] **Figures 4a and 4b** are schematic views of further embodiments of a seat.

[0025] In an embodiment, the seat 5 is provided with back part 10. The seat 5 may also comprise armrests, a folding table etc.

[0026] Figure 4a is showing an embodiment of the seat 5, the chair base 3 of which is in form of a sled base. The embodiment shown in Figure 4b comprises a chair base 3 that is in form of a five star base.

[0027] The invention is not limited solely to the embodiments described above, but instead many variations are possible within the scope of the invention defined by the claims below.

[0028] The drawings and the related description are only intended to illustrate the idea of the invention. The invention may vary in detail within the scope of the invention defined in the following claims.

REFERENCE SYMBOLS

[0029]

1	seat
2	body part
3	chair base
4	seat part
5	slot
6	point of support
7	horizontal support element
8	tube part
9	bracket
10	back part
11	table
12	table top
13	auxiliary body
14	furniture arrangement
H	height of slot
L	

length of slot
W
width of slot

REFERENCES CITED IN THE DESCRIPTION

Cited references

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Patent documents cited in the description

- [KR20130029298A](#) [0003]
- [CN205306348U](#) [0003]

Patentkrav**1. Sæde (1), der omfatter:**

- 5 - en hoveddel (2), der omfatter
 -- mindst én sædebund (3)
 - en sædedel (4),
 - idet sædedelen (4) er fastgjort til hoveddelen (2)
 - en slids (5) mellem en underside af sædedelen (4) og hoveddelen (2),
10 - idet slidsen (5) har en højde (H) og en længde (L) samt en bredde (W) og
 er tilgængelig fra alle sider af sædet, og idet slidsen (5) er dimensioneret
 således, at den danner støttepunkter (6) til at holde sædet (1) oppe på et
 vandret støtteelement (7), der er placeret fra siderne i slidsen (5), hvor læng-
15 den (L) er større end højden (H), og hvor der er slids (5) hele vejen rundt om
 sædet (1).

2. Sæde ifølge krav 1, hvor hoveddelen (2) er fremstillet af rørdele (8).

- 20 **3. Sæde ifølge krav 2, hvor hoveddelen (2) er fastgjort til sædedelen (4) ved hjælp
af beslag (9), hvilke beslag er beregnet til at skabe slidsen (5) mellem hoveddelen
(2) og sædedelen (4).**

- 25 **4. Sæde ifølge et af de foregående krav, hvor hoveddelen (2) omfatter en geometri,
der er beregnet til at skabe slidsen (5) mellem hoveddelen (2) og sædedelen (4).**

**5. Sæde ifølge et af de foregående krav, hvor sædebunden (3) er i form af en
slædebund.**

- 30 **6. Sæde ifølge et af kravene 1-4, hvor sædebunden (3) er i form af en bund med
fire ben.**

- 7. Sæde ifølge et af kravene 1-4, hvor sædebunden (3) er i form af en bund med
fem ben.**

- 35 **8. Sæde ifølge et af de foregående krav, hvor sædet er en skammel uden rygdæl
(10).**

9. Sæde ifølge et af kravene 1-7, der omfatter en rygdæl (10).

10. Sæde ifølge et af de foregående krav, hvor slidsens (5) højde begrænses af sædedelen (4).

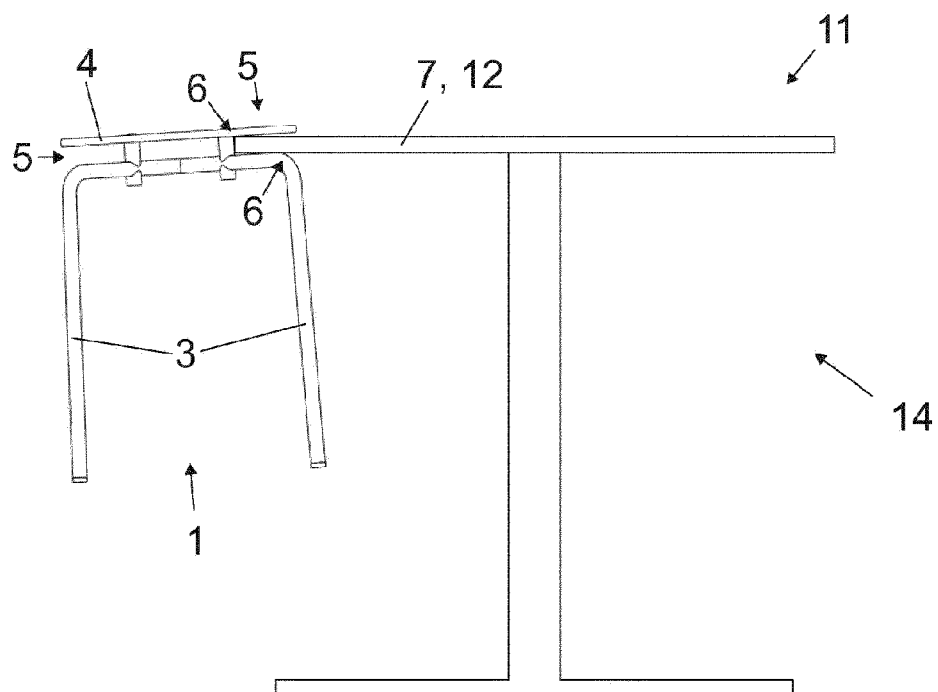
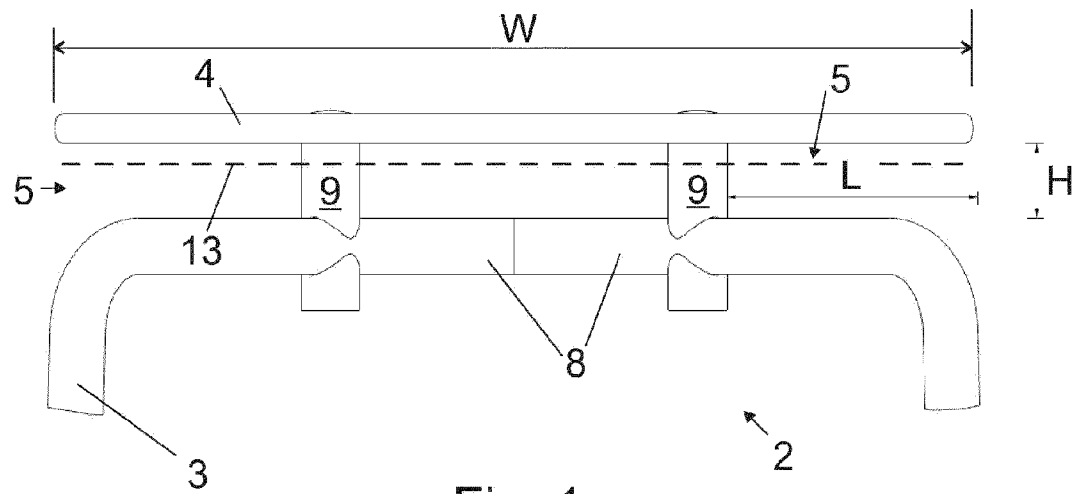
5

11. Sæde ifølge et af kravene 1-10, hvor slidsens (5) højde begrænses af et hjælpelement (13), der er anbragt mellem sædedelen (4) og hoveddelen (2).

10

12. Møbelarrangement, der omfatter et sæde (1) ifølge et af de foregående krav og et bord (11), der omfatter en bordplade (12), hvor det vandrette støtteelement (7) er bordpladen (12).

DRAWINGS



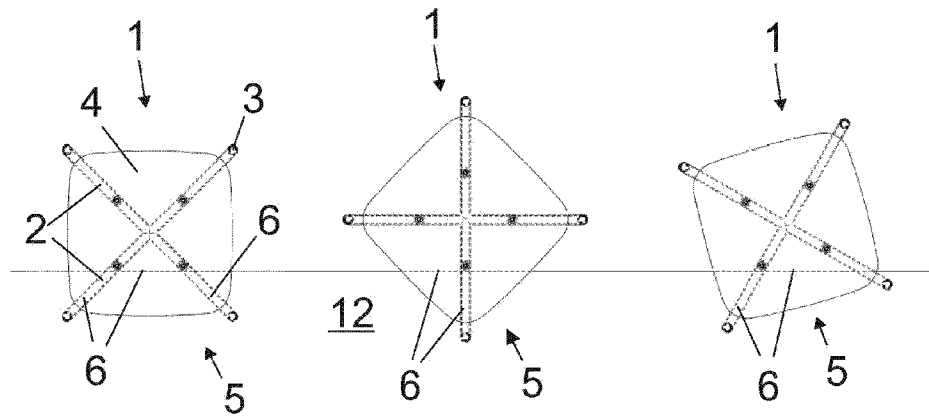


Fig. 3

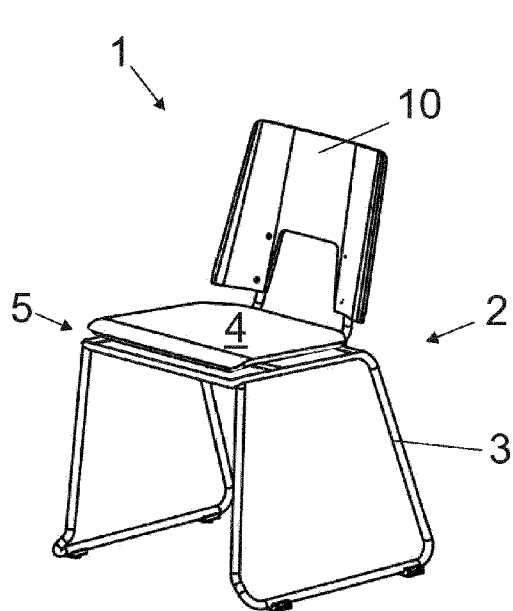


Fig. 4a

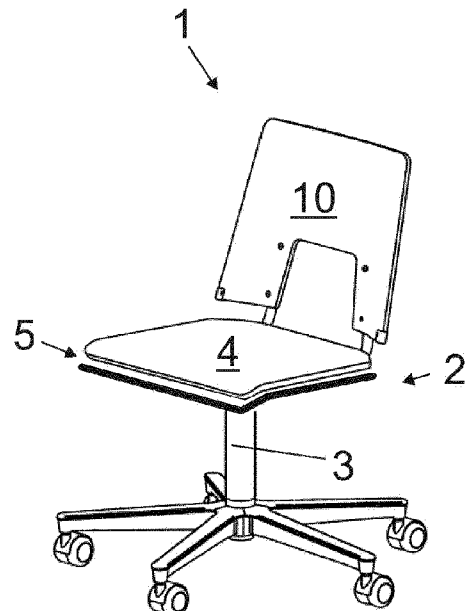


Fig. 4b