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(54) **Convenient Telescopic Folding Chair**

(57) A convenient telescopic folding chair includes a front foot (1), back cushion (2), rear foot (3), seat cushion (4), and telescopic rods (5) arranged between the rear foot (13) and the seat cushion (4). The front foot (1) pivots on the rear foot (3) by connecting components. The back cushion (2) is inserted into two ends of the front foot (1). The rear foot (3) connects the seat cushion (4) through two telescopic rods (5) arranged to two ends of the rear foot (3). The seat cushion (4) is further connected to the front foot (1) through connecting components. The seat cushion (4) includes a tube frame (41) and a cushion (42). The cushion (42) is fixed to the frame (41) with two plugs (421) formed to two lateral sides of the cushion (42) inserting into two ends of the frame (41) so as to form a convenient, space-saving, light and fine folding chair.

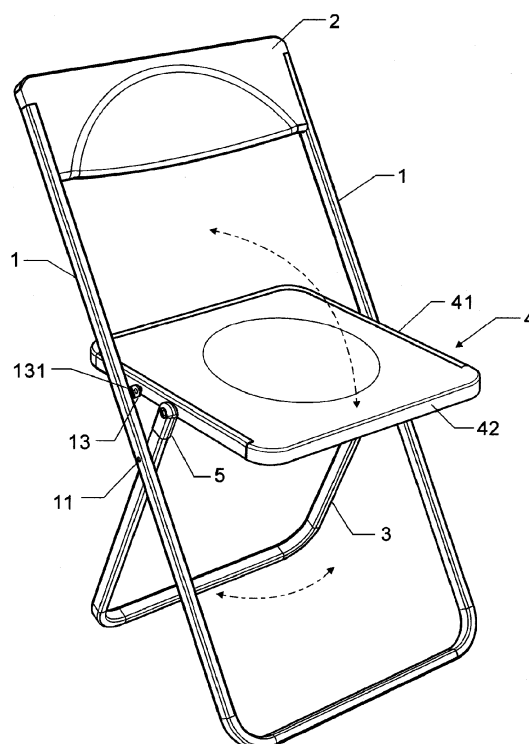


FIG. 1

Description

FIELD OF THE INVENTION

[0001] The present invention relates to folding chair, and particular to a convenient telescopic folding chair having telescopic rods and seat cushion formed by a cushion inserted to a tube frame.

DESCRIPTION OF THE PRIOR ART

[0002] Folding chairs are very popular in the market. Except the basic folding function, the durability, portability, and storage are also concerned by the user. Prior folding chair mostly consists of seat cushion formed by a wooden-base cushion framed by a closed metal frame. The punched metal seat plate or molded plastic seat plate are also commonly used in folding chairs.

[0003] However, the closed metal frame around the cushion will confine the design of the seat of the chair, and the punched metal seat will cause higher cost for manufacturing. The molded plastic seat is concerned about its safety and bearing capability, enhancement of thickness and material will oppositely increase the weight and the waste of storage.

SUMMARY OF THE PRESENT INVENTION

[0004] Accordingly, the primary object of the present invention is to provide a convenient, space-saving, light, fine and durable folding chair.

[0005] To achieve above object, the present invention includes a front foot, back cushion, rear foot, seat cushion, and telescopic rods arranged between the rear foot and the seat cushion. The front foot pivots on the rear foot by connecting components. The back cushion is inserted into two ends of the front foot. The rear foot connects the seat cushion through two telescopic rods arranged to two ends of the rear foot. The seat cushion is further connected to the front foot through connecting components. The seat cushion includes a tube frame and a cushion. The cushion is fixed to the frame with two plugs formed to two lateral sides thereof inserting into two ends of the frame.

BRIEF DESCRIPTION OF THE DRAWINGS

[0006]

Fig. 1 is a schematic view showing an embodiment of the present invention.

Fig. 2 is an assembling view showing the embodiment in Fig. 1.

Fig. 3 is a schematic view showing another embodiment of the present invention.

Fig. 4 is an assembling view showing the embodiment in Fig. 3.

Fig. 5 is an assembling view showing a seat cushion

in Fig. 1.

Fig. 5 is an assembling view showing a seat cushion in Fig. 3.

Fig. 7 is a schematic view showing an embodiment of a front edge of the seat cushion of the present invention.

DETAILED DESCRIPTION OF THE INVENTION

[0007] In order that those skilled in the art can further understand the present invention, a description will be provided in the following in details. However, these descriptions and the appended drawings are only used to cause those skilled in the art to understand the objects, features, and characteristics of the present invention, but not to be used to confine the scope and spirit of the present invention defined in the appended claims.

[0008] Referring to Figs. 1 and 3, two embodiments of convenient telescopic folding chair according to the present invention are illustrated. The embodiments both include front foot 1, back cushion 2, rear foot 3, seat cushion 4, and telescopic rods 5 arranged between two lateral sides of the seat cushion 4 and the two ends of the rear foot 3.

[0009] Referring to Figs. 1, 2, and 5, the front foot 1 pivots on the rear foot 3 through arranging holes 11. Two retaining holes 12 are formed near to two ends of the front foot 1 respectively for receiving two spring-loaded pins 21 on two lateral sides of the back cushion 2. Two plugs 22 are also formed to the two later sides of the back cushion 2 for being inserted into the two ends of the front foot 1 so that the back cushion 2 is fixed to the front foot 1 with the spring-loaded pins 21 being retained by the two retaining holes 12. Two connecting plates 13 are arranged oppositely to predetermined locations of an inner surface of the front foot 1. The connecting plate 13 has a through hole 131 for assembling the front foot 1 to a frame 41 of the seat cushion 4.

[0010] Two sleeves 31 are slid into two ends of the rear foot 3 for receiving the two telescopic rods 5. The telescopic rod 5 is fixed to the two lateral sides of the frame 41 of the seat cushion 4. The three connection points of the telescopic rod 5 to the seat cushion 4, the front foot 1 to the seat cushion 4, and the front foot 1 to the rear foot 3 form a triangle so as to provide an ideal support and a strong structure.

[0011] Referring to Fig. 5, the seat cushion 4 includes a tube frame 41 and a cushion 42. A plug 421 is formed to two lateral sides of the cushion 42 respectively for being inserted into the two ends of the frame 41 so as to form the seat cushion 4. The frame 41 sustains a rear and two lateral sides of the cushion 42 so as to provide a high bearing capability based on the supporting of the front and the rear foot. Without the frame 41, the front side of the cushion 42 can be shaped smoothly or ergonomically as shown in Fig. 7.

[0012] Referring to Figs. 3, 4, and 6, another embodiment of the present invention is illustrated. The front foot

1 pivots on the rear foot 3 through arranging holes 11. Two retaining holes 12 are formed near to two ends of the front foot 1 for receiving two spring-loaded pins 21 on two lateral sides of the back cushion 2. Two plugs 22 are also formed to the two later sides of the back cushion 2 for being inserted into the two ends of the front foot 1 so that the back cushion 2 is fixed to the front foot 1 with the spring-loaded pins 21 being retained by the two retaining holes 12. Two connecting plates 13 are arranged to predetermined opposite locations of an inner surface of the front foot 1. The connecting plate 13 has a through hole 131 for assembling the front foot 1 to a tube frame 41 of the seat cushion 4.

[0013] Two sleeves 31 are slid into two ends of the rear foot 3 for receiving the two telescopic rods 5. The telescopic rod 5 is fixed to the two lateral sides of the frame 41 of the seat cushion 4.

[0014] The seat cushion 4 includes the tube frame 41 and a cushion 42 as shown in Fig. 6. A plug 421 is formed to two lateral sides of the cushion 42 respectively for being inserted into the two ends of the frame 41 so as to form the seat cushion 4. The frame 41 sustains a front and the two lateral sides of the cushion 42 so as to provide a high bearing capability based on the supporting of the front and the rear foot.

[0015] The present invention is light and space-saving for its thin folded thickness. The ergonomic design will improve the appearance and comfort thereof as well as the quality, practicability, and economic benefit.

[0016] The present invention is thus described, it will be obvious that the same may be varied in many ways. Such variations are not to be regarded as a departure from the spirit and scope of the present invention, and all such modifications as would be obvious to one skilled in the art are intended to be included within the scope of the following claims.

Claims

1. A convenient telescopic folding chair comprising a front foot 1, back cushion 2, rear foot 3, seat cushion 4, and telescopic rods 5 arranged between the rear foot 3 and the seat cushion 4; wherein the front foot 1 pivots on the rear foot 3 through arranging holes 11; two retaining holes 12 are formed near to two ends of the front foot 1 for receiving two spring-loaded pins 21 formed on two lateral sides of the back cushion 2; two plugs 22 formed to the two lateral sides of the back cushion 2 will be inserted into the two ends of the front foot 1 with the spring-loaded pins 21 being retained by the two retaining holes 12; two connecting plates 13 are arranged oppositely to predetermined locations of an inner surface of the front foot 1; the connecting plate 13 has a through hole 131 for assembling the front foot 1 to a frame 41 of the seat cushion 4; two sleeves 31 slid into two ends of the rear foot 3 for receiving the two telescopic

rods 5; the telescopic rods 5 are fixed to the two lateral sides of the frame 41 of the seat cushion 4; the seat cushion 4 includes the frame 41 and a cushion 42; a plug 421 is formed to two lateral sides of the cushion 42 respectively for being inserted into the two ends of the frame 41; the frame 41 sustains a rear and the two lateral sides of the cushion 42 so that the cushion is supported by the frame and the front and rear feet.

2. A convenient telescopic folding chair comprising a front foot 1, back cushion 2, rear foot 3, seat cushion 4, and telescopic rods 5 arranged between the rear foot 3 and the seat cushion 4; wherein the front foot 1 pivots on the rear foot 3 through arranging holes 11; two retaining holes 12 are formed near to two ends of the front foot 1 for receiving two spring-loaded pins 21 formed on two lateral sides of the back cushion 2; two plugs 22 formed to the two lateral sides of the back cushion 2 will be inserted into the two ends of the front foot 1 with the spring-loaded pins 21 being retained by the two retaining holes 12; two connecting plates 13 are arranged oppositely to predetermined locations of an inner surface of the front foot 1; the connecting plate 13 has a through hole 131 for assembling the front foot 1 and a frame 41 of the seat cushion 4; two sleeves 31 slid into two ends of the rear foot 3 for receiving the two telescopic rods 5; the telescopic rods 5 are fixed to the two lateral sides of the frame 41 of the seat cushion 4; the seat cushion 4 includes the frame 41 and a cushion 42; a plug 421 is formed to two lateral sides of the cushion 42 respectively for being inserted into the two ends of the frame 41; the frame 41 sustains a front and the two lateral sides of the cushion 42 so that the cushion is supported by the frame and the front and rear feet.

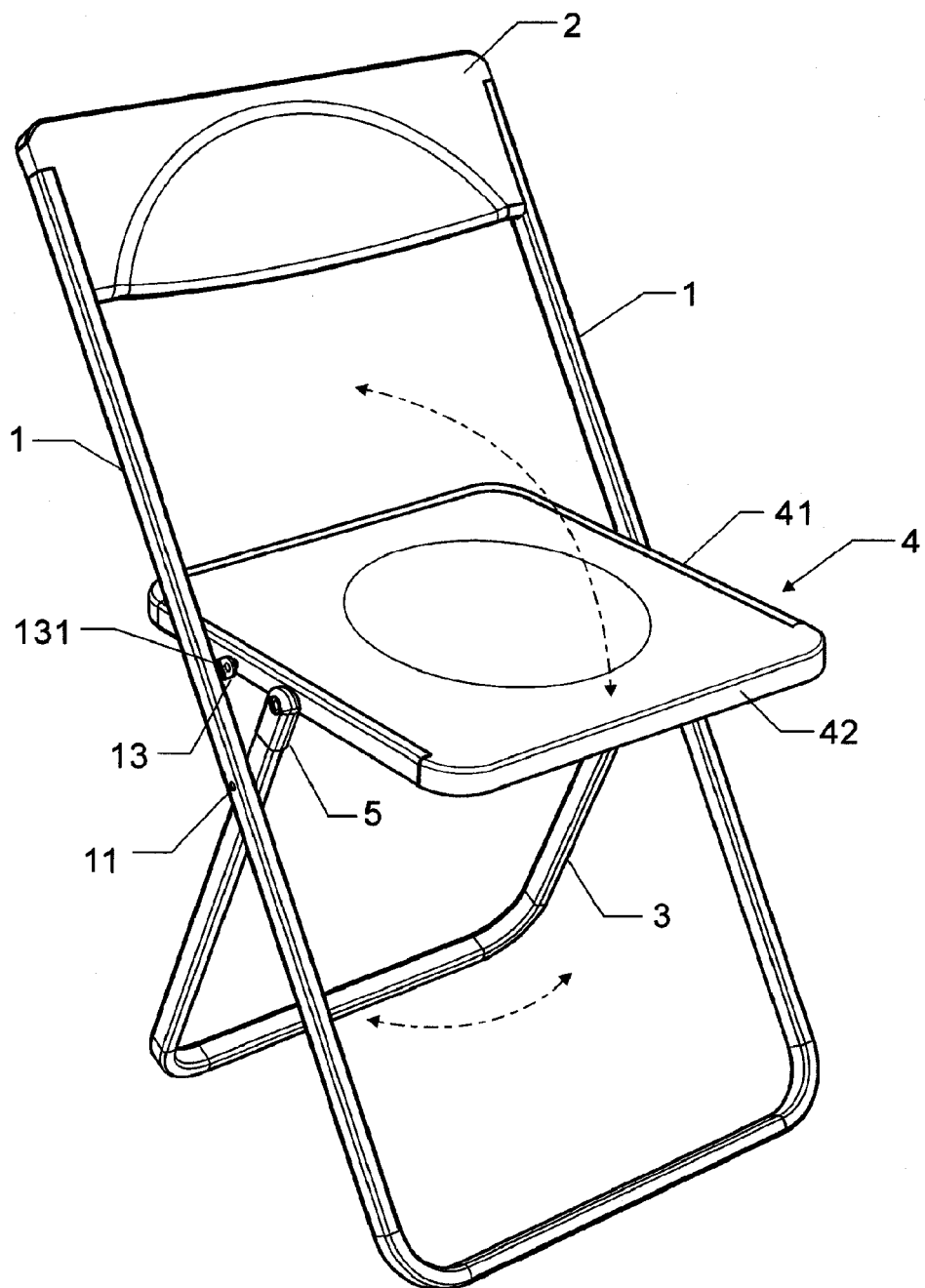


FIG. 1

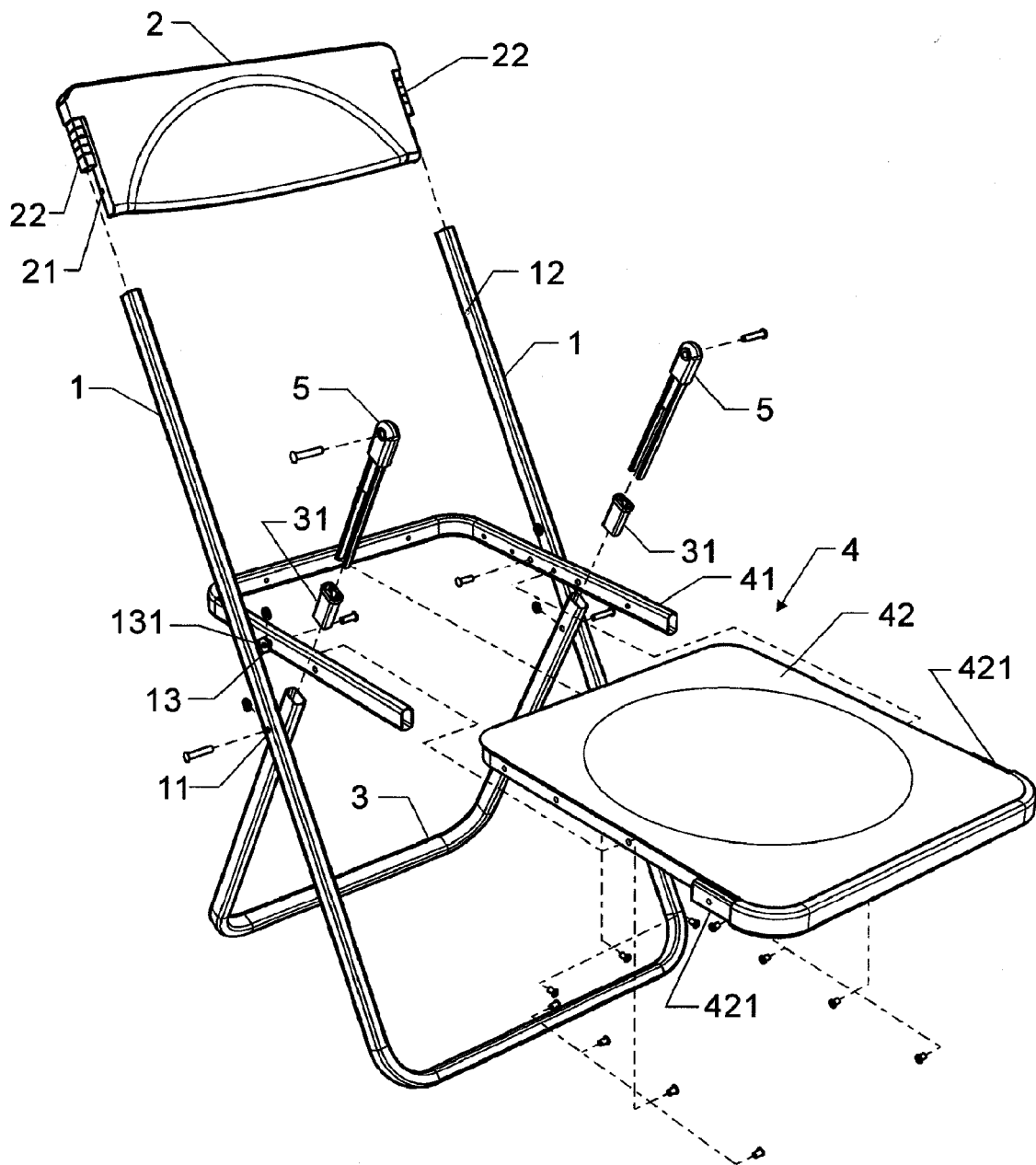


FIG. 2

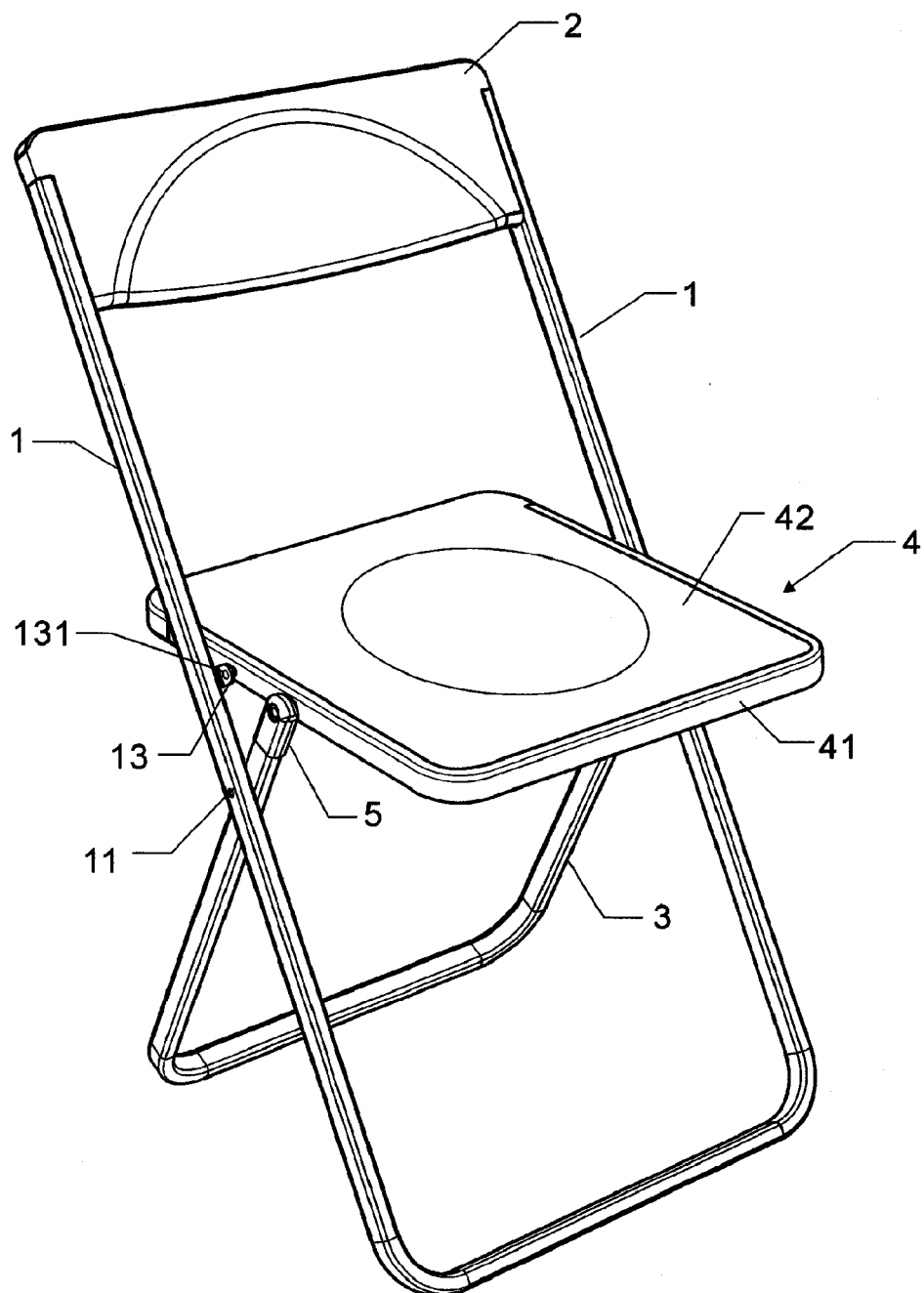


FIG. 3

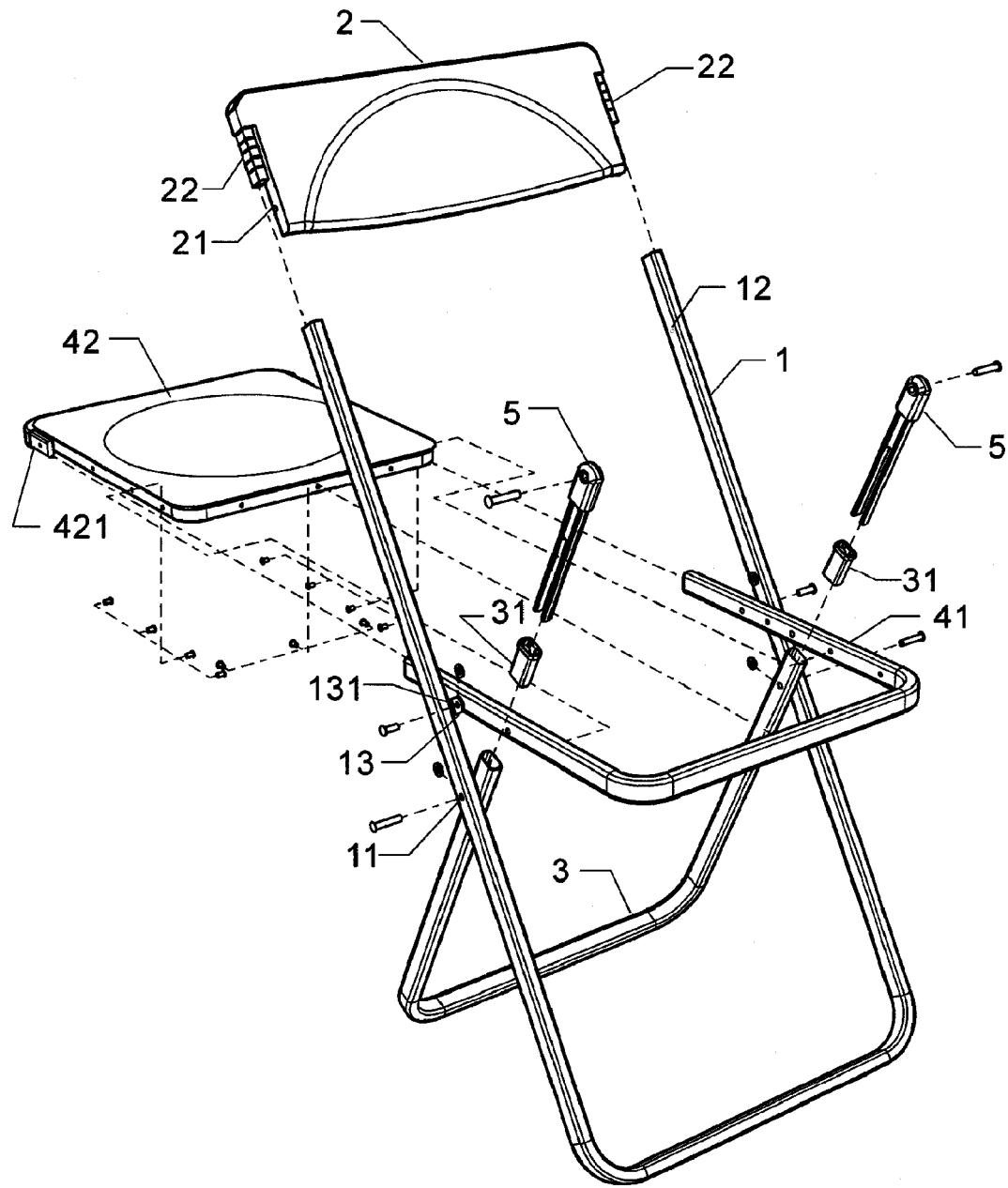


FIG. 4

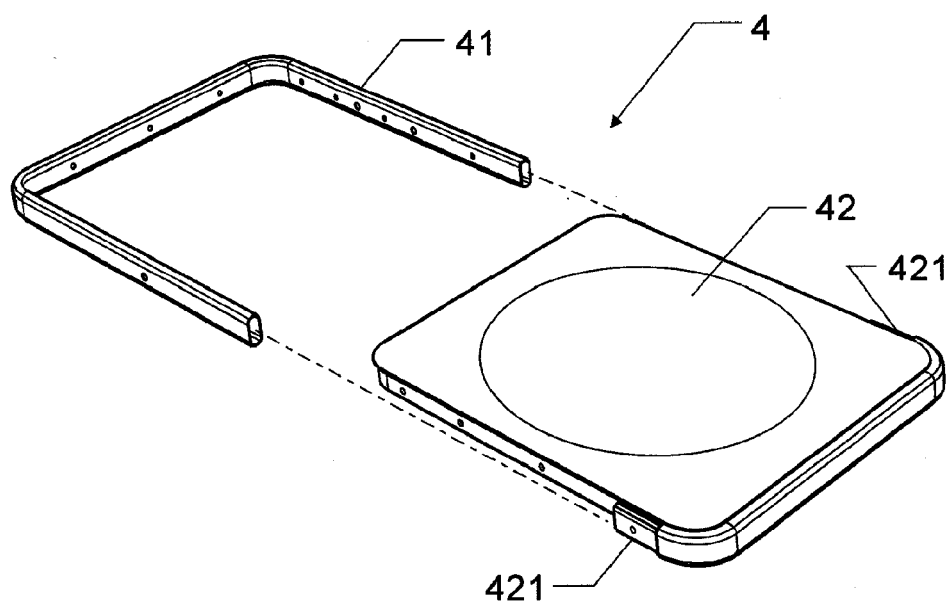


FIG. 5

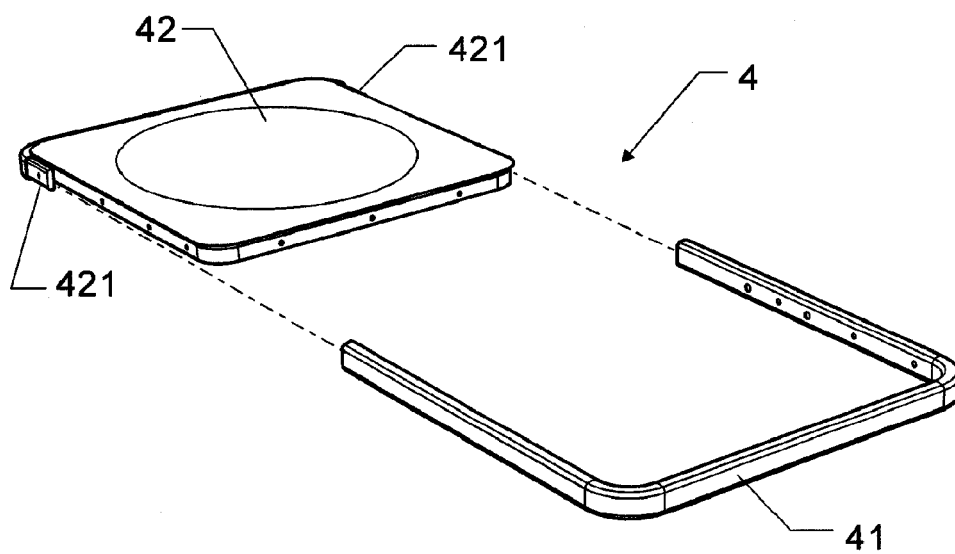


FIG. 6

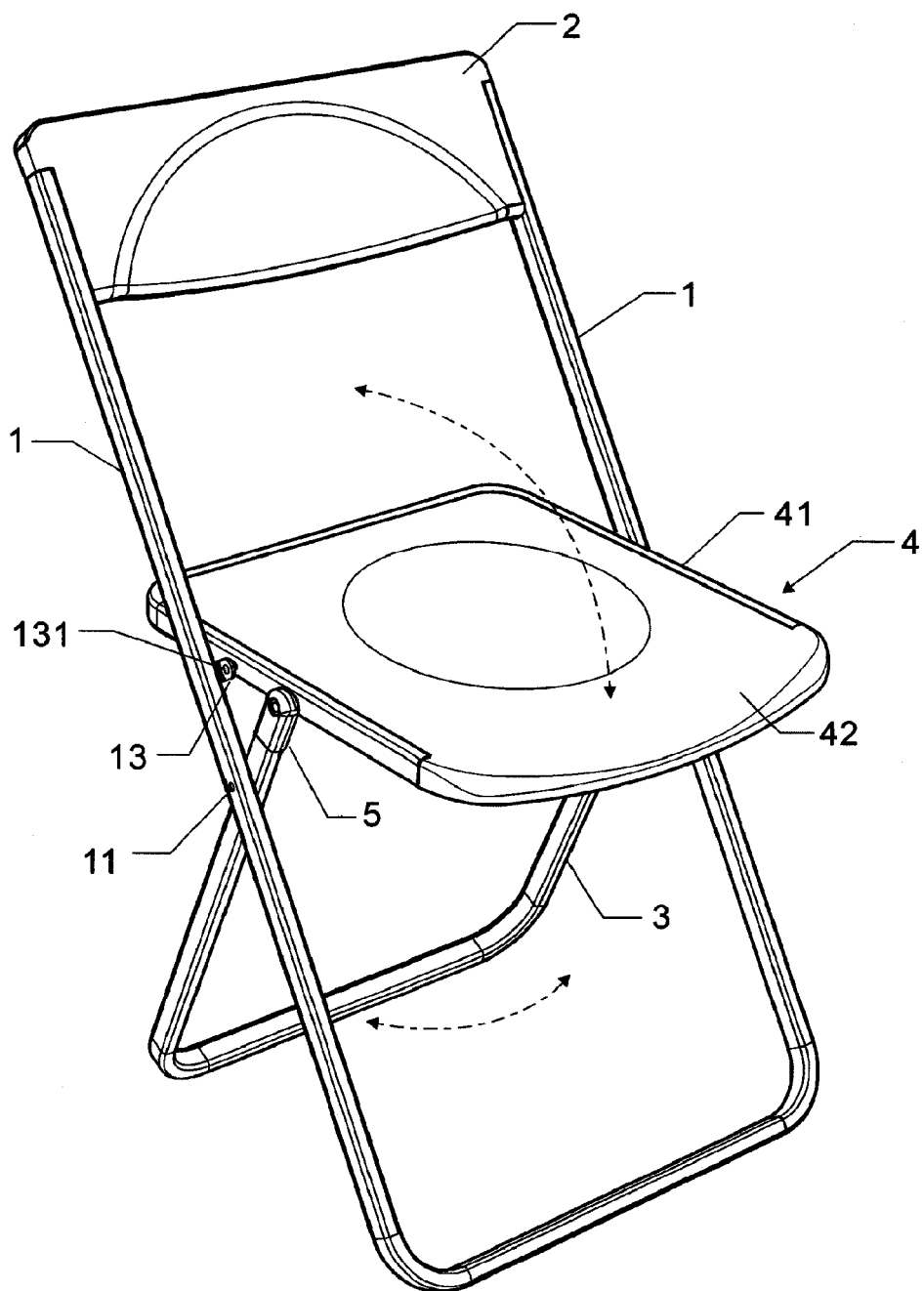


FIG. 7



EUROPEAN SEARCH REPORT

Application Number
EP 11 15 1464

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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A	US 2010/181807 A1 (SMITH RICHARD D [US]) 22 July 2010 (2010-07-22) * paragraph [0078]; figure 4 *	1,2	
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The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 14 October 2011	Examiner Kus, Sławomir
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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EP 11 15 1464

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
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14-10-2011

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