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(54) **A BABY CRIB COMPRISING UPHOLSTERED GUARD RAILS AND INNER SURFACES**

(57) The invention relates to a baby crib (100) where babies/children sleep or spend time, comprising a headboard part (2) and a footboard part (3), and at least one side section in the form of a guardrail/bars encircling the bed, which are introduced around a bed board (10), characterized in comprising; upholstered parts, which cover the inner surfaces of the said headboard part (2), the

footboard part (3) and the side parts (the first side section (4), the second side section (5) and the moveable door (1) facing inside the baby crib (100), and are connected to the said parts by a connector (7), in order to protect babies/children from damages due to hitting themselves to hard surfaces.

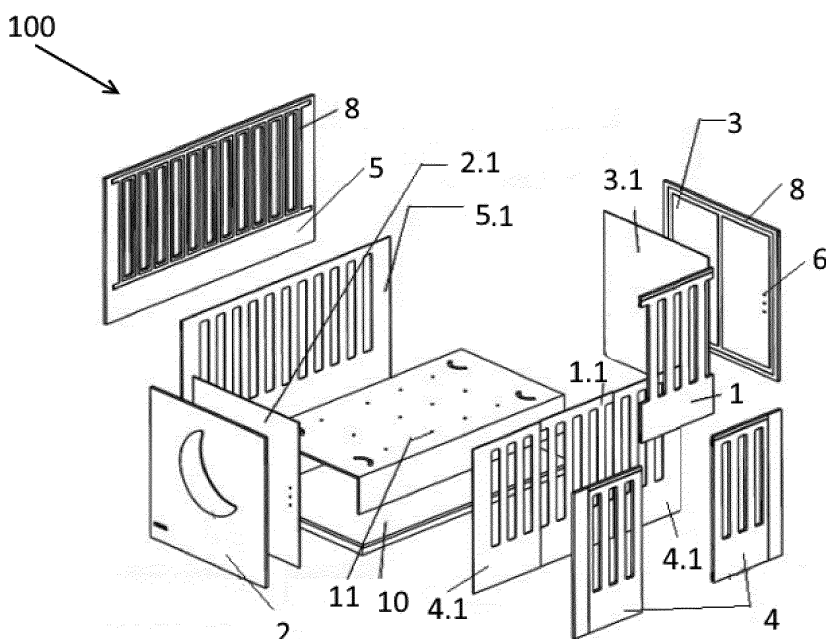


FIGURE 1

Description**Technical Field**

[0001] The invention relates to baby/child cribs/cradles comprising inner edges and/or guardrails/bars upholstered with padded fabrics during manufacturing in order to protect babies/children from damages due to hitting hard surfaces.

Background Art

[0002] Commercially available crib and cradle applications lack protective upholstering on guardrails. Mothers take some precautions to prevent their babies hit their head, legs and arm to these hard wood parts while moving in their sleep. In general, these wood and hard surfaces are tried to be covered with sponge materials fastened using ribbons. However, mothers who use of these fabric covered sponges so called edge protection encounter following problems:

- There are difficulties in use since these edge protection materials with different sizes does not fit the dimensions of the crib.
- Even when dimensions fit, sponges get loose in time and lead to an unpleasant appearance. Therefore, they are esthetically unappealing.
- Once the infants become active, they try to remove these edge protection materials, which are intended for preventing babies to hit themselves to the crib in their sleep, or they try to climb onto them. Therefore, there are serious risks threatening the safety of the infant.
- The mentioned edge protection materials block the gaps between the bars and thereby disrupt the air circulation through the crib. Therefore, use of these edge protection materials which cover the bars is prohibited in some countries.

[0003] Application no. 2015/02526 encountered during a technical search relates to baby cribs comprising guardrails moveable in upwards and downwards directions along shafts which are connected to top holders and bottom holders mounted at the top and the bottom of the crib. It is understood that the mentioned system does not provide an innovation aimed at upholstering the guardrails for safety.

[0004] Another application no. 2010/11171 encountered during the technical search relates to a baby crib where the infant sleeps, receives care and spend time, which comprises an innovation aimed at allowing the bed to be moved in upwards and downwards directions. On the other hand, the mentioned structure fails to provide a solution to the aforementioned problems.

[0005] Therefore, the aforementioned disadvantages and lack of a solution to the problem in the prior art have made it necessary to make a development in the relevant

technical field.

Object of the Invention

[0006] The present invention aims to overcome the aforementioned disadvantages in the current state of the art.

[0007] The primary object of the invention is to provide a baby crib comprising guardrails and/or inner edges upholstered with sponge padded fabrics during manufacturing in order to in order to eliminate the need for attaching external protective sponges and edge protections to baby cribs.

[0008] An object of the is to prevent the infants to hit hard wood surfaces in their sleep or spending time inside the baby crib, baby cradle or the transition beds used for children older than 2 years, by upholstering the inner edges and/or guardrails with padded fabric.

[0009] Another object of the invention is to ensure an easily maintained air circulation inside the crib during the sleep of the infant/child.

[0010] Another object of the invention is to ensure maintaining the stylish look of the furniture and the child room by eliminating drooping, wrinkled edges.

[0011] Another object of the invention is to eliminate extra costs paid for edge protection materials.

[0012] Structural and characteristic features and all of the advantages of the invention shall become apparent with the appended drawings and the detailed description with reference to these drawings; therefore assessment should be based on these drawings and the detailed description.

Brief Description of Drawings**[0013]**

Figure 1 Shows the modular structure of the baby crib of the invention.

Figure 2 Shows upholstered headboard and footboard parts.

Figure 3 Shows the upholstered part for moveable door.

Figure 4 Shows the upholstered part for the first side section.

Figure 5 Shows the upholstered part for the second side section.

Figure 6 Shows front and rear views of the second side section.

Figure 7 Shows front and rear views of the moveable door.

Figure 8 Shows a cross-section of the baby crib of the invention.

[0014] Drawings must be scaled and detailed which are not necessary for understanding the invention may have been omitted. Furthermore, at least substantially identical elements or elements with at least substantially

identical functions are indicated with same numbers.

Parts References

[0015]

100. Baby Crib

1. Moveable Door

1.1. Upholstered part for the moveable door

2. Headboard part

2.1. Upholstered part for the headboard

3. Footboard part

3.1 Upholstered part for the footboard

4. First side section

4.1. Upholstered part for the first side section

5. Second side section

5.1 Upholstered part for the second side section

6. Pinholes

7. Connector

8. Connector slot

9. Snapping slots

10. Bed board

11. Vent holes

Detailed Description of the Invention

[0016] The present invention shall become apparent with the preferred embodiments of the invention disclosed herein detailed description, without limiting the scope of the invention.

[0017] The invention provides a baby crib (100) where babies/children sleep or spend time, comprising a headboard part (2) and a footboard part (3) introduced at the sections of the bed which correspond to the head and foot section, and at least one side section in the form of a guardrail/bars encircling the bed, which are introduced around a bed board (10) onto which the bed is positioned, and form the main frame; wherein it comprises upholstered parts, which cover the inner surfaces of the said headboard part (2), the footboard part (3) and the side parts (the first side section (4), the second side section (5) and the moveable door (1)) facing inside the baby crib (100), and are connected to the said parts by a connector (7), in order to protect babies/children from damages due to hitting themselves to hard surfaces.

[0018] Components of the baby crib (100) of the invention and their function are given below;

- a moveable door (1) which is removable/attachable when desired, can be engaged by means of the snapping slots (9) introduced on it, to the parts of the first side section (4) introduced on the right and left sides of it, and comprising a connector slot (8) into which the said connector (7) is placed (following the outer sides) which allows the upholstered part to be engaged to its surface facing inside the baby crib (100),
- an upholstered part for the moveable door (1.1) (preferably fabric upholstery is applied onto a 6 mm MDF) with a form that allows it to cover the surface of the said moveable door (1) facing inside the baby crib (100) and which is connected to the moveable door (1) by means of the connector (7) placed inside the said connector slot (8),
- a headboard part (2) and a footboard part (3) introduced at head and foot sections of the baby crib (100), comprising a connector slot (8) inside which the said connector (7) is placed (following the outer sides) in order to connect the upholstered parts on their surfaces facing inside the baby crib (100),
- an upholstered part for the headboard (2.1) and an upholstered part for the footboard (3.1), with a form that allows it to cover the surface of the said headboard part (2) and the said footboard part (3), and which are connected to the headboard part (2) and the footboard part (3) by means of the connector (7) placed inside the connector slot (8) (Thereby, the individual inside the baby crib (100) is prevented from hitting the hard surfaces at the head and foot sections by this upholstery.) (Preferably, parts are made of upholstered MDF.)
- pinholes (6) introduced on the upholstered part for the headboard (2.1) and the upholstered part for the footboard (3.1) in order to allow these parts to be mounted onto the headboard part (2) and the footboard part (3),
- a first side section (4) which can be engaged preferably to the right and left sides of the moveable door (1), which is placed between the footboard part (3) and the headboard part (2) of the baby crib (100) (along the length of the baby crib (100) such that it encloses the bed, and which comprises a connector slot (8) inside which the said connector (7) is placed (following the outer sides) in order to allow the upholstered part to be engaged, (Preferably in the form of a guardrail or bars.)
- an upholstered part for the first side section (4.1),

which can be engaged to the first side section (4) by the connector (7) placed inside the connector slot (8) and which has a form that allows it to cover the surface of the said first side section (4) facing inside the baby crib (100), (Preferably, part is made of upholstered MDF.) (Thereby, the individual inside the baby crib (100) is prevented from hitting the hard surfaces at the side sections by this upholstering.)

- a second side section (5) which is placed between the footboard part (3) and the headboard part (2) of the baby crib (100) such that it encloses the bed, and which comprises a connector slot (8) inside which the said connector (7) is placed in order to allow the upholstered part to be engaged to the surface facing inside the baby crib (100) (Preferably in the form of a guardrail or bars.)
- an upholstered part for the second side section (5.1), which can be engaged to the second side section (5) by the connector (7) placed inside the connector slot (8) and which has a form that allows it to cover the surface of the said second side section (5) facing inside the baby crib (100), (Preferably, part is made of upholstered MDF.) (Thereby, the individual inside the baby crib (100) is prevented from hitting the hard surfaces at the side sections by this upholstering.)
- a bed board (10) onto which the mattress to be used inside the baby crib (100) is placed,
- vent holes (11) introduced on the said bed board (10) in order to provide fresh air for the mattress and allow circulation.

[0019] In the herein preferred embodiment, the connector (7) which are placed inside the said connector slot (8) and allow the upholstered parts (the upholstered part for the moveable door (1.1), the upholstered part for the headboard (2.1) and the upholstered part for the footboard (3.1), upholstered part for the first side section (4.1), upholstered part for the second side section (5.1)) to be attached to the parts which compose the frame of the bed (the moveable door (1), the headboard part (2), the footboard part (3), the first side section (4), the second side section (5)) are hook-and-pile fasteners.

[0020] Parts composing the main frame of the baby crib (100) of the invention are the moveable door (1), the headboard part (2), the footboard part (3), the first side section (4) and the second side section (5). Hook-and-pile fasteners can be introduced inside the connector slots (8) of these parts as connectors (7).

[0021] In the invention, the upholstered part for the moveable door (1.1), the upholstered part for the headboard (2.1), the upholstered part for the footboard (3.1), the upholstered part for the first side section (4.1) and the upholstered part for the second side section (5.1) are formed by upholstering MDF parts with fabric. Thereby,

the mentioned parts achieve a soft structure.

[0022] Thereafter, the upholstered part for the moveable door (1.1), the upholstered part for the headboard (2.1) and the upholstered part for the footboard (3.1), the upholstered part for the first side section (4.1) and the upholstered parts for the second side section (5.1) are respectively engaged to the hook-and-pile stripes on the back sides of the corresponding moveable door (1), headboard part (2), footboard part (3), first side section (4), second side sections (5). The upholstered part for the headboard (2.1) and the upholstered part for the footboard (3.1) are mounted to the corresponding parts and secured using pinholes (6) in addition to hook-and-pile stripes. The moveable door (1) can be engaged to and disengaged from the first side section (4) using the snapping slots (9) from above. Thereby, the individual inside the baby crib (100) can be easily taken out.

Claims

1. A baby crib (100) where babies/children sleep or spend time, comprising

- a headboard part (2) and a footboard part (3) introduced at the sections of the bed which correspond to the head and foot section,
- at least one side section in the form of a guardrail/bars which are introduced between the said footboard part (3) and the headboard part (2), and which encircle the bed,

which are introduced around a bed board (10), onto which the bed is positioned, and form the main frame; **characterized in** comprising,

- upholstered parts, which cover the inner surfaces of the said headboard part (2), the footboard part (3) and the side parts facing inside the baby crib (100), and are connected to the said parts in order to protect babies/children from damages due to hitting themselves to hard surfaces.

2. A baby crib (100) according to claim 1, **characterized in** comprising a connector (7) in order to allow the said upholstered parts to be engaged to the parts composing the frame of the baby crib (100).
3. A baby crib (100) according to claim 1, **characterized in** comprising the fabric used in upholstering the said parts comprise sponge filling.
4. A baby crib (100) according to claim 1, **characterized in** comprising the said upholstered parts are made of MDF.
5. A baby crib (100) according to claim 2, **character-**

ized in comprising the said connector (7) is a hook-and-pile fastener.

6. A baby crib (100) according to claim 2, **characterized in** comprising a connector slot (8) inside which the said connector (7) placed in order to allow the upholstered parts to be engaged to the surfaces of the said footboard part (3) and the headboard part (2) facing inside the baby crib (100). 5
7. A baby crib (100) according to claim 1, **characterized in** comprising the said upholstered parts are; 10
 - an upholstered part for the headboard (2.1) and an upholstered part for the footboard (3.1), with a form that allows it to cover the surface of the said headboard part (2) and the said footboard part (3) facing inside the baby crib (100). 15
8. A baby crib (100) according to claim 7, **characterized in** comprising pinholes (6) introduced on the upholstered part for the headboard (2.1) and the upholstered part for the footboard (3.1) in order to allow these parts to be mounted onto the headboard part (2) and the footboard part (3). 20 25
9. A baby crib (100) according to claim 2, **characterized in** comprising the said side parts are; 30
 - a moveable door (1) which is removable/attachable when desired, can be engaged by means of the snapping slots (9) introduced on it, to the parts of the first side section (4) introduced on the right and left sides of it, and comprising a connector slot (8) into which the said connector (7) is placed which allows the upholstered part to be engaged to its surface facing inside the baby crib (100), 35
 - a first side section (4) which can be engaged preferably to the right and left sides of the moveable door (1), which is placed between the footboard part (3) and the headboard part (2) of the baby crib (100) such that it encloses the bed, and which comprises a connector slot (8) inside which the said connector (7) is placed in order to allow the upholstered part to be engaged. 40 45
10. A baby crib (100) according to claim 9, **characterized in** comprising the said upholstered parts are; 50
 - an upholstered part for the moveable door (1.1) with a form that allows it to cover the surface of the said moveable door (1) facing inside the baby crib (100) and which is connected to the moveable door (1) by means of the connector (7) placed inside the said connector slot (8), 55
 - an upholstered part for the first side section (4.1), which can be engaged to the first side sec-

tion (4) by the connector (7) placed inside the connector slot (8) and which has a form that allows it to cover the surface of the said first side section (4) facing inside the baby crib (100).

11. A baby crib (100) according to claim 2, **characterized in** comprising the said side sections are; 5
 - at least a second side section (5) which is placed between the footboard part (3) and the headboard part (2) of the baby crib (100) such that it encloses the bed, and which comprises a connector slot (8) inside which the said connector (7) is placed in order to allow the upholstered part to be engaged to the surface facing inside the baby crib (100). 10
12. A baby crib (100) according to claim 11, **characterized in** comprising the said upholstered parts are; 15
 - an upholstered part for the second side section (5.1), which can be engaged to the second side section (5) by the connector (7) placed inside the connector slot (8) and which has a form that allows it to cover the surface of the said second side section (5) facing inside the baby crib (100). 20
13. A baby crib (100) according to claim 1, **characterized in** comprising vent holes (11) introduced on the said bed board (10) in order to provide fresh air for the mattress and allow circulation. 25 30

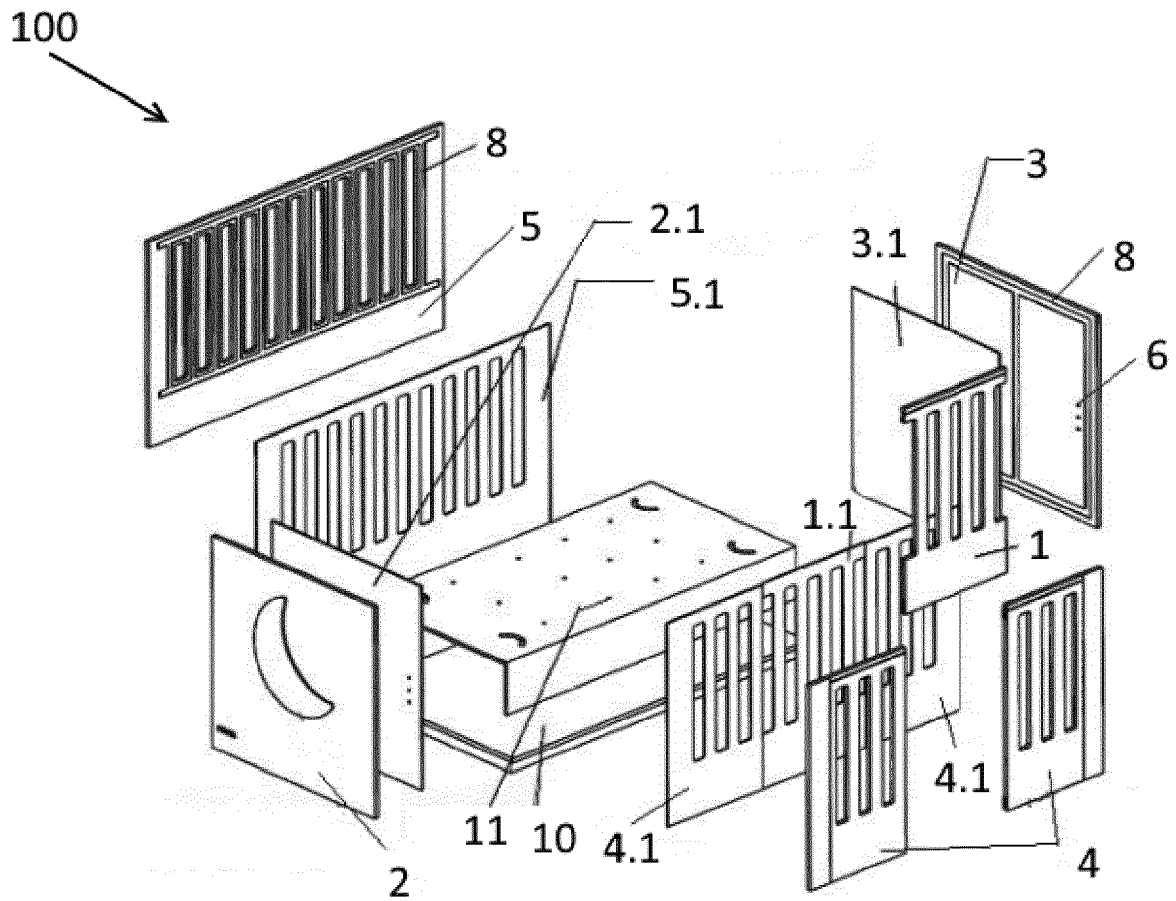


FIGURE 1

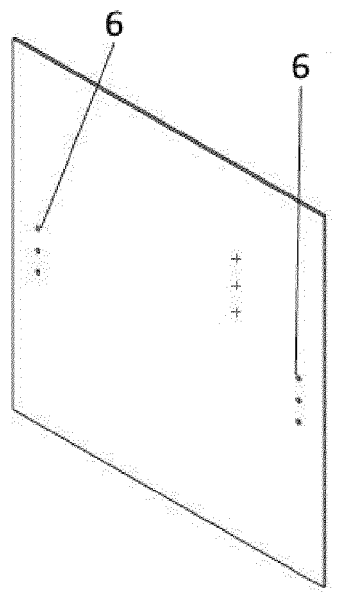


FIGURE 2

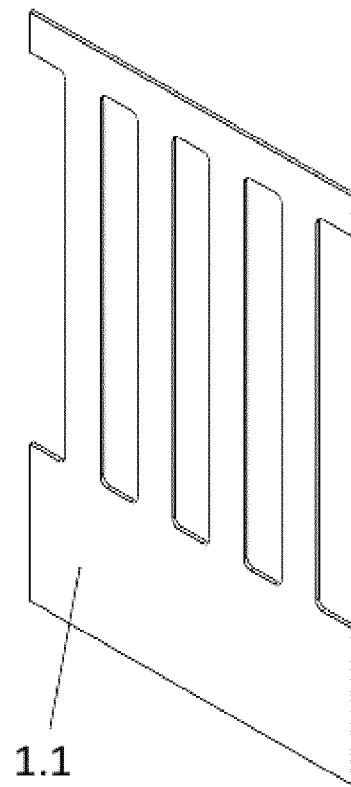


FIGURE 3

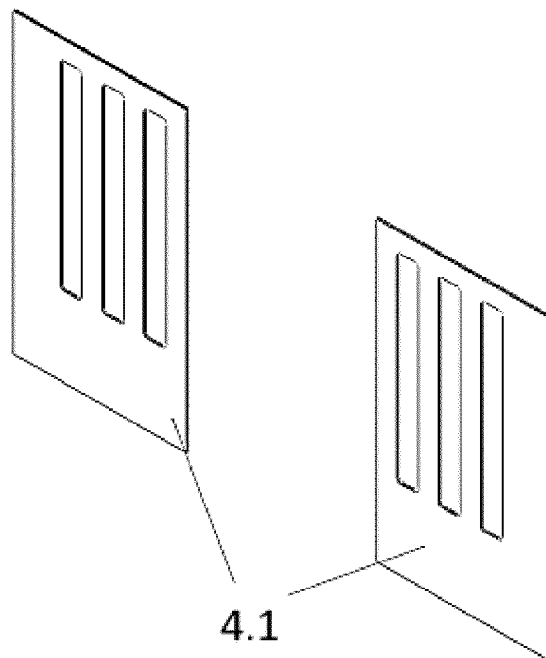


FIGURE 4

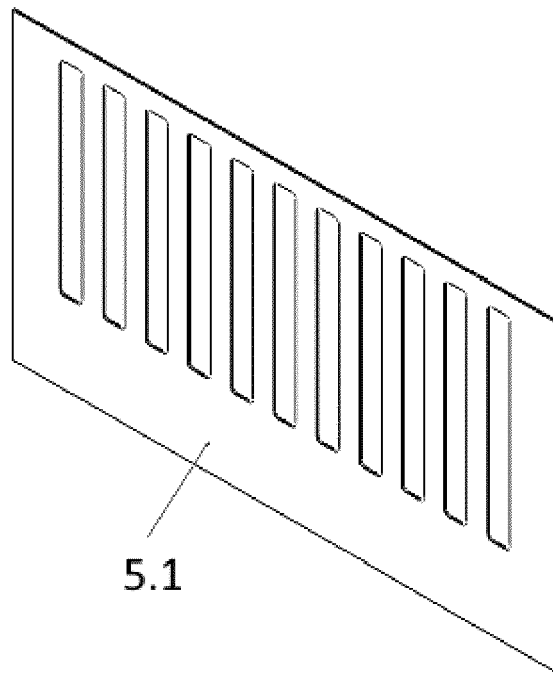


FIGURE 5

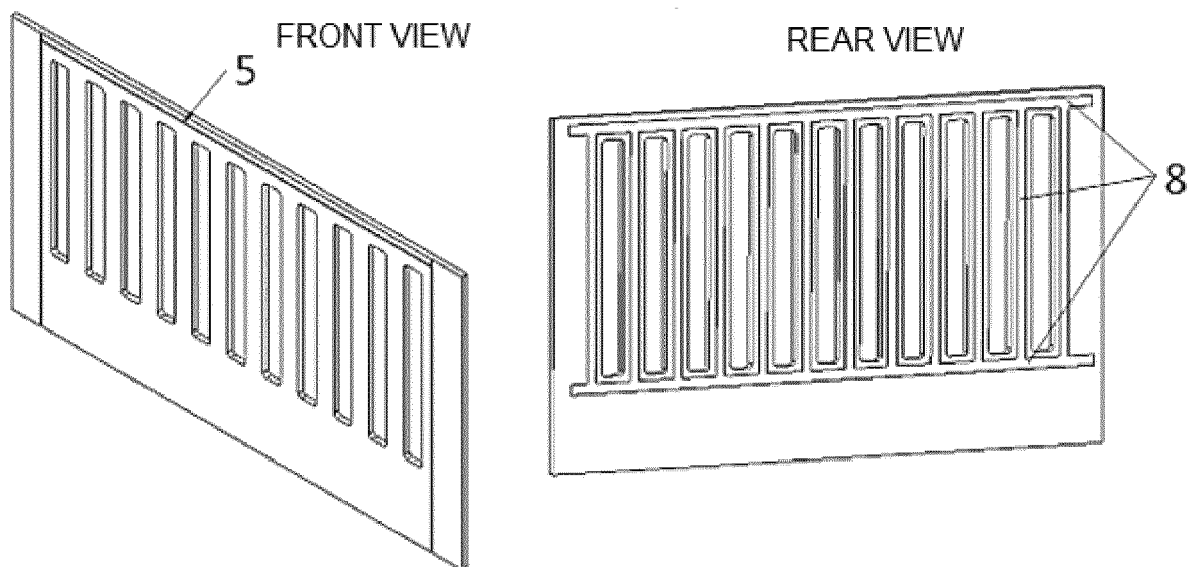


FIGURE 6

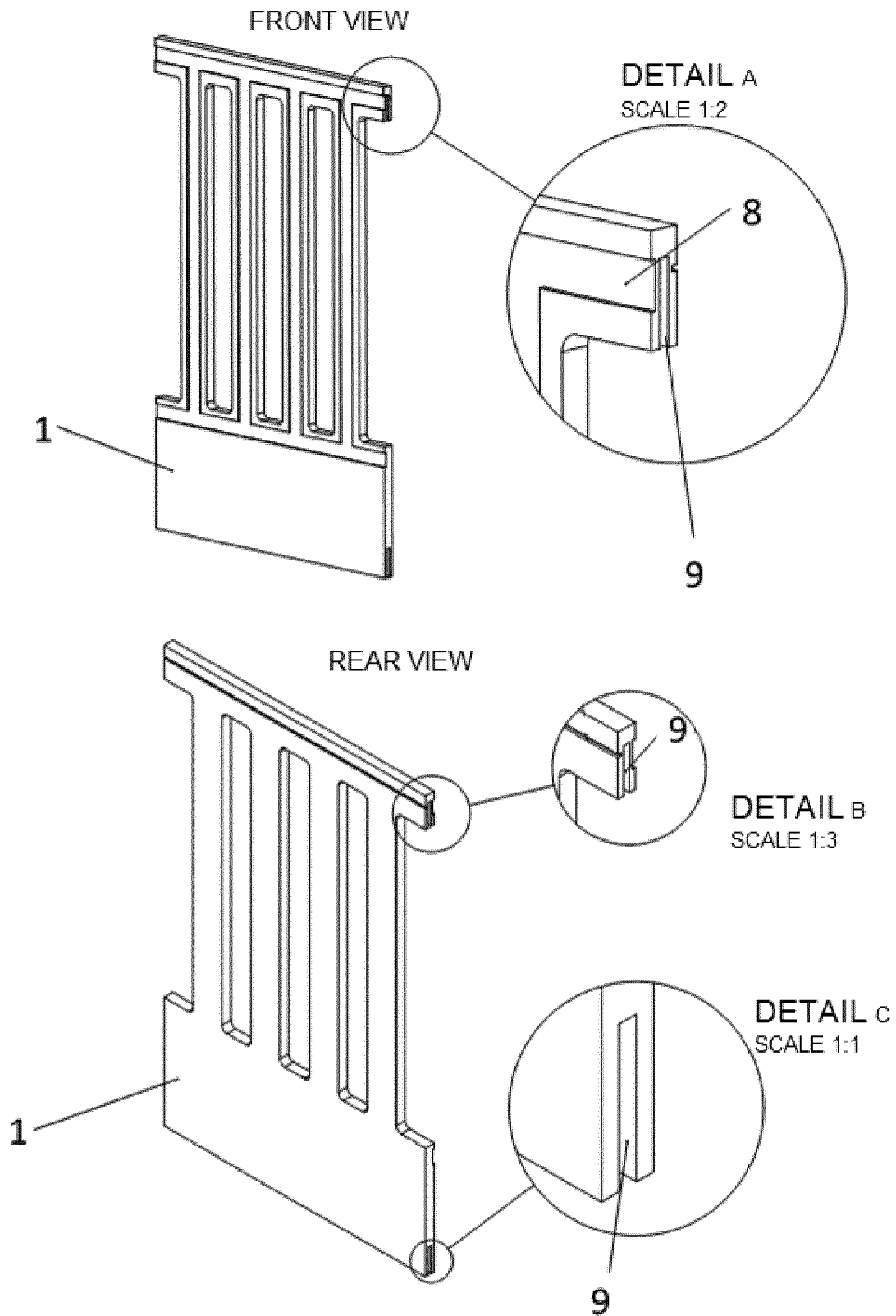


FIGURE 7

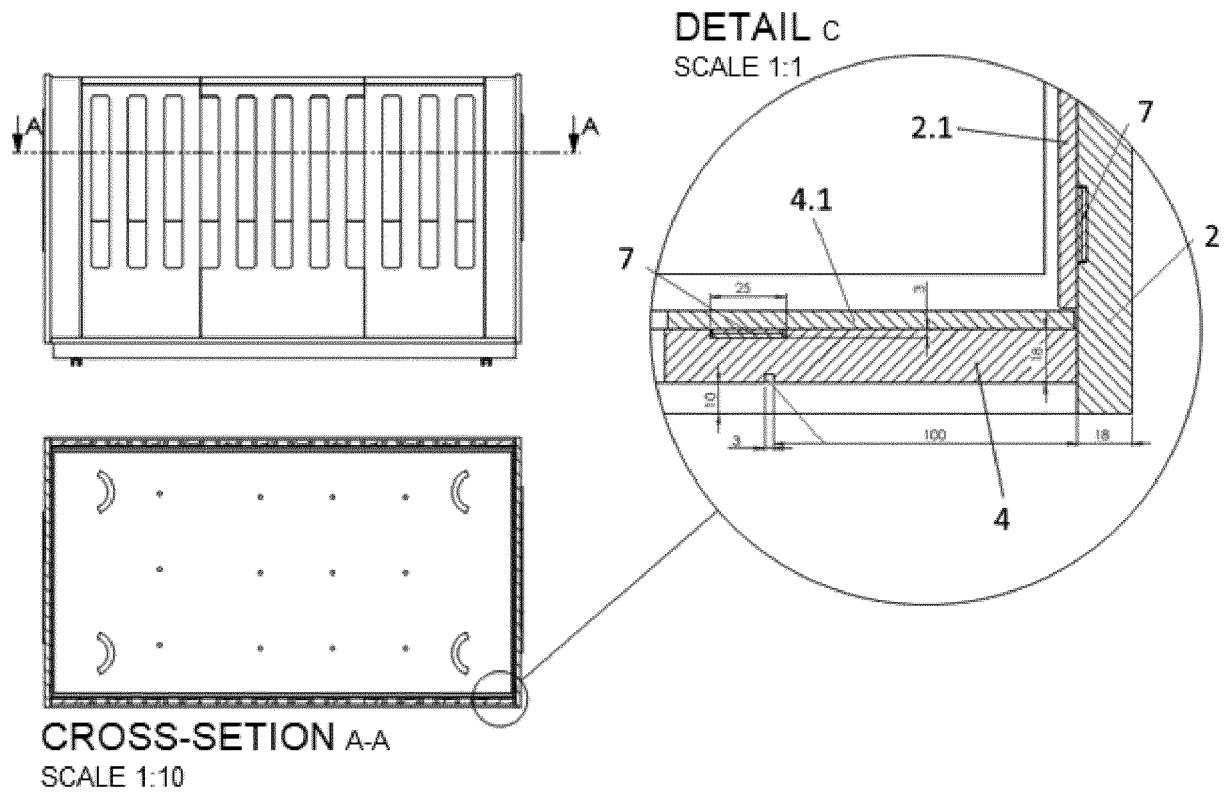


FIGURE 8



EUROPEAN SEARCH REPORT

 Application Number
 EP 18 15 9614

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			TECHNICAL FIELDS SEARCHED (IPC)
			A47D
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 25 June 2018	Examiner Lehe, Jörn
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