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(71) Applicant: **PLAY, S.A.**

**08184 Palau de Plegamans (ES)**

(72) Inventor: **Jane Stopp, Joaquín**

**08184 Palau-Solita i Plegamans (Barcelona) (ES)**

(74) Representative: **Carpintero Lopez, Francisco et al  
Herrero & Asociados, S.L.**

**Alcalá 35**

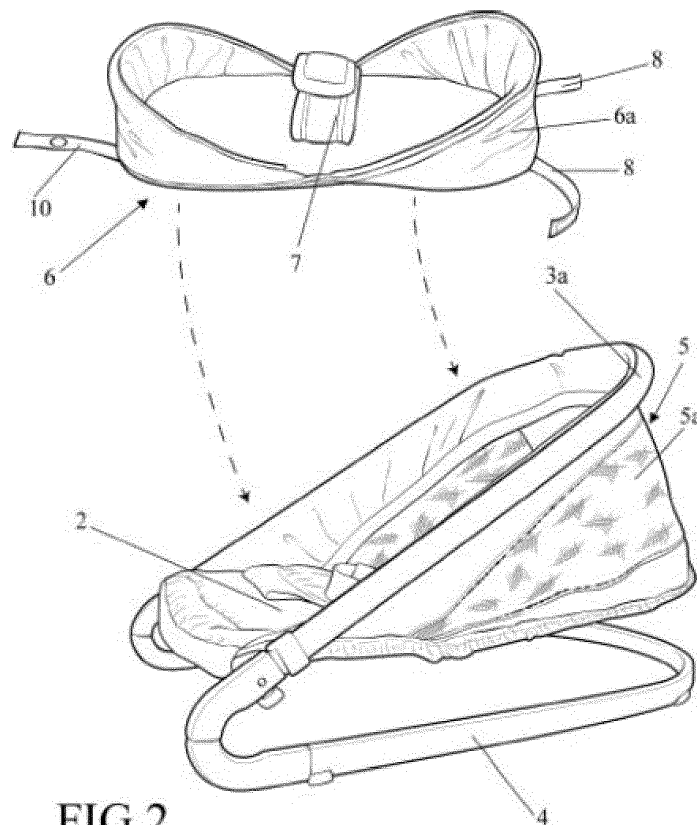
**28014 Madrid (ES)**

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(54) **Children's bouncing chair**

(57) The present invention relates to a children's bouncing chair (1) comprising a support surface (2) for supporting the user of the bouncing chair (1) and means (3, 5) for placing said support surface (2) in a reclined position, comprising a basket-like enclosure (6) which

can be coupled on said support surface (2) when said support surface (2) is in said reclined position, said enclosure (6) making up a accessory providing said bouncing chair (1) with the function of a portable cradle or car-rycot.



**FIG.2**

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## Description

[0001] The present invention relates to a children's bouncing chair which can be converted into a portable cradle or carrycot.

### Background of the Invention

[0002] There are many pieces of furniture or objects for children on the market which have been adapted to be convertible and multipurpose for space saving in homes.

[0003] Playpens adapted to work as portable cradles or carrycots are known. However, these playpens take up a lot space and are provided with tall edges or railings which are unsuitable to be used as cradles for newborns or very young babies.

[0004] Children's bouncing chairs are marketed to be used by newborns or very young babies. These bouncing chairs have the advantage that they can be placed in different places in which the baby can play or have fun partially or completely lying down.

[0005] However, none of the children's bouncing chairs on the market today is optimized to work as a portable cradle or carrycot.

### Description of the Invention

[0006] The objective of the present invention is to solve the drawbacks mentioned by developing a children's bouncing chair having the advantage wherein it can work as a portable cradle or carrycot.

[0007] According to this objective, the present invention provides a children's bouncing chair comprising a support surface for supporting the user of the bouncing chair and means for positioning said support surface in a reclined position, and it is **characterized in that** it comprises a basket-like enclosure which can be coupled on said support surface when said support surface is in said reclined position, said enclosure making up an accessory providing said bouncing chair the function of a portable cradle or carrycot.

[0008] As a result of these features, the bouncing chair of the present invention can also work as a portable cradle or carrycot.

[0009] It also has the advantage that it takes up very little space and is very comfortable for newborns or very young babies, since the enclosure which is coupled to the support surface of the bouncing chair provides a cavity of suitable dimensions.

[0010] Said enclosure preferably includes a padded element forming a cavity to protect the head and/or the feet of the user of the bouncing chair.

[0011] This padded element is an accessory that is easily coupled and transported which is also very comfortable for the user of the bouncing chair.

[0012] Advantageously, said means for positioning the support surface in a reclined position comprise a foldable

fabric portion which allows positioning said support surface in a substantially horizontal plane, said foldable fabric portion being attached at one end to said support surface and at the other end to a support structure from which said support surface hangs upon unfolding said fabric.

[0013] Therefore, it is easy to position the support surface in a substantially horizontal reclined position which also allows coupling the enclosure providing the function of a portable cradle or carrycot in a very easy and safe manner.

[0014] According to a preferred embodiment, said support structure comprises a U-shaped bar the ends of which are attached to a support base of the bouncing chair, said foldable fabric portion being attached to said support surface and to said U-shaped bar such that it determines a front protective wall of said enclosure in its unfolded position.

[0015] This configuration of the bouncing chair is very suitable for its function as a cradle or carrycot.

[0016] Advantageously, according to the same preferred embodiment, said foldable fabric portion includes a section provided with a mesh.

[0017] This mesh ventilates the protective wall and allows observing the user of the bouncing chair through said protective wall.

[0018] Said foldable fabric portion, again advantageously, includes a zipper for opening and closing a hole from which said fabric is folded and unfolded.

[0019] The ends of the U-shaped bar are once again advantageously attached in an articulated manner to the support base of the bouncing chair, such that said bar can be folded for transporting the bouncing chair.

[0020] Said bouncing chair preferably comprises fastening means for fastening said enclosure to said support surface.

[0021] Said fastening means advantageously include fastening straps provided in the enclosure and orifices provided in the foldable fabric portion through which said straps are passed for securing said enclosure to said foldable fabric portion.

[0022] Therefore, the enclosure is securely coupled to the bouncing chair since said foldable fabric portion provides a good fastening base.

[0023] Said fastening means optionally include, additionally, a fastening strap provided in the enclosure for securing said enclosure to the support structure of the bouncing chair.

### Brief Description of the Drawings

[0024] To better understand what has been described, several drawings are attached in which they schematically depict a practical embodiment only by way of non-limiting example.

[0025] In said drawings,

Figure 1 is a perspective view of the children's bounc-

ing chair of the present invention with the support surface in a position to be used as a bouncing chair. Figure 2 is a perspective view of the children's bouncing chair of the present invention in which the basket-like enclosure which can be coupled on the support surface providing the bouncing chair with the function of a portable cradle or carrycot is seen in detail. Figure 3 is a perspective view of the children's bouncing chair of Figure 1 converted into a portable cradle or carrycot.

Figure 4 is a perspective view of the children's bouncing chair converted into a portable cradle or carrycot, showing the fastening means for fastening the enclosure to the support surface supporting the user.

Figure 5 is a perspective view of the folded bouncing chair in a transport position.

#### Description of a Preferred Embodiment

**[0026]** As seen in Figure 1, the children's bouncing chair 1 of the present invention has a support surface 2 for supporting the user which is associated with a support structure 3 including a U-shaped support bar 3a the ends 3b of which are attached in an articulated manner to a support base 4 of the bouncing chair 1.

**[0027]** In the position shown in Figure 1, the support surface 2 is in a position to be used as a conventional bouncing chair which can be folded for transport since the ends 3b of the support bar 3a are attached in an articulated manner to the support base 4. Figure 5 shows the bouncing chair 1 in a folded position for transport.

**[0028]** Figure 2 shows the same bouncing chair 1 of Figure 1, in a position in which the support surface 2 has been reclined backwards until it is located in a substantially horizontal plane. In this reclined position, the support surface 2 hangs from the support bar 3a of the bouncing chair 1 through a foldable fabric portion 5 which is attached to said support surface 2.

**[0029]** In the described embodiment, the fabric portion 5 includes a zipper (not depicted) closing a hole from which said foldable fabric portion 5 is unfolded. Nevertheless, instead of a zipper, it may be possible to use any other type of system which would also allow folding and unfolding the fabric portion 5.

**[0030]** As can be seen in Figure 2, the fabric portion 5 is attached to the support surface 2 and to the U-shaped support bar 3 such that it determines, in its unfolded position, a protective wall for a basket-like enclosure 6 which can be coupled on said support surface 2.

**[0031]** In the described embodiment, the enclosure 6 is made up of a padded element 6a forming a cavity to protect the head and the feet of a newborn or very young baby. This cavity also has a belt 7 for securing the baby or newborn.

**[0032]** As described in the description of the invention, this padded element 6a makes up an accessory that is easily coupled to and transported with the bouncing chair 1.

**[0033]** Figure 3 shows the children's bouncing chair 1 with the padded element 6a coupled on the support surface 2 of the bouncing chair for providing said bouncing chair 1 with the function of a portable cradle or carrycot taking up very little space and is very comfortable for newborns or very young babies.

**[0034]** As can be seen in Figure 3, the foldable fabric portion 5 has a fabric section provided with a mesh 5a which allows observing the user of the bouncing chair 1 through the protective wall determined by said fabric portion 5 in its unfolded position.

**[0035]** To fasten the padded element 6a to the support surface 2, a pair of fastening straps 8 has been provided for securing said padded element 6a to the foldable fabric portion 5. In this sense, the foldable fabric portion 5 includes orifices 9 through which the fastening straps 8 are passed for securing the padded element 6a (see Figure 4).

**[0036]** Therefore, the padded element 6a is securely coupled to the bouncing chair 1 since said foldable fabric portion 5 provides a good fastening base.

**[0037]** In the described embodiment, a fastening strap 10 has additionally been provided for pinning said padded element 6a to the support structure 3 of the bouncing chair 1.

**[0038]** Despite the fact that a specific embodiment of the present invention has been described and depicted, it is obvious that a person skilled in the art will be able to introduce variants and modifications, or substitute the details with other technically equivalent details without departing from the scope of protection defined by the attached claims.

#### Claims

1. Children's bouncing chair (1) comprising a support surface (2) for supporting the user of the bouncing chair (1) and means (3, 5) for positioning said support surface (2) in a reclined position, **characterized in that** it comprises a basket-like enclosure (6) which can be coupled on said support surface (2) when said support surface (2) is in said reclined position, said enclosure (6) making up an accessory providing said bouncing chair (1) with the function of a portable cradle or carrycot.
2. Bouncing chair (1) according to claim 1, wherein said enclosure includes a padded element (6a) forming a cavity to protect the head and/or the feet of the user of the bouncing chair (1).
3. Bouncing chair (1) according to any of the preceding claims, wherein said means for placing the support surface in a reclined position comprise a foldable fabric portion (5) which allows placing said support surface (2) in a substantially horizontal plane, said fabric portion (5) being attached at one end to said

support surface (2) and on the other end to a support structure (3) from which said support surface (2) hangs upon unfolding said fabric (5).

4. Bouncing chair (1) according to claim 3, wherein said support structure comprises a U-shaped bar (3a) the ends (3b) of which are attached to a support base (4) of the bouncing chair (1), said foldable fabric portion (5) being attached to the support surface (2) and to said U-shaped bar (4) such that it determines a protective wall of said enclosure in its unfolded position (6). 5  
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5. Bouncing chair (1) according to claim 4, wherein said foldable fabric portion (5) includes a section provided with a mesh (5a). 15
6. Bouncing chair (1) according to any of claims 3 to 5, wherein said foldable fabric portion (5) includes a zipper for opening and closing a hole from which said fabric (5) is folded and unfolded. 20
7. Bouncing chair (1) according to any of claims 4 to 6, wherein the ends of the U-shaped bar are attached in an articulated manner to said support base, such that said bar can be folded for transporting the bouncing chair. 25
8. Bouncing chair (1) according to any of the preceding claims, comprising fastening means (8, 9, 10) for fastening said enclosure to said support surface. 30
9. Bouncing chair (1) according to claim 8, wherein said fastening means include fastening straps (8) provided in the enclosure (6) and orifices (9) provided in the foldable fabric portion (5) through which said straps (8) are passed for securing said enclosure to said foldable fabric portion (5). 35
10. Bouncing chair (1) according to any of claims 8 and 9, wherein said fastening means comprise a fastening strap (10) provided in the enclosure (6) for securing said enclosure (6) to the support structure (3) of the bouncing chair. 40

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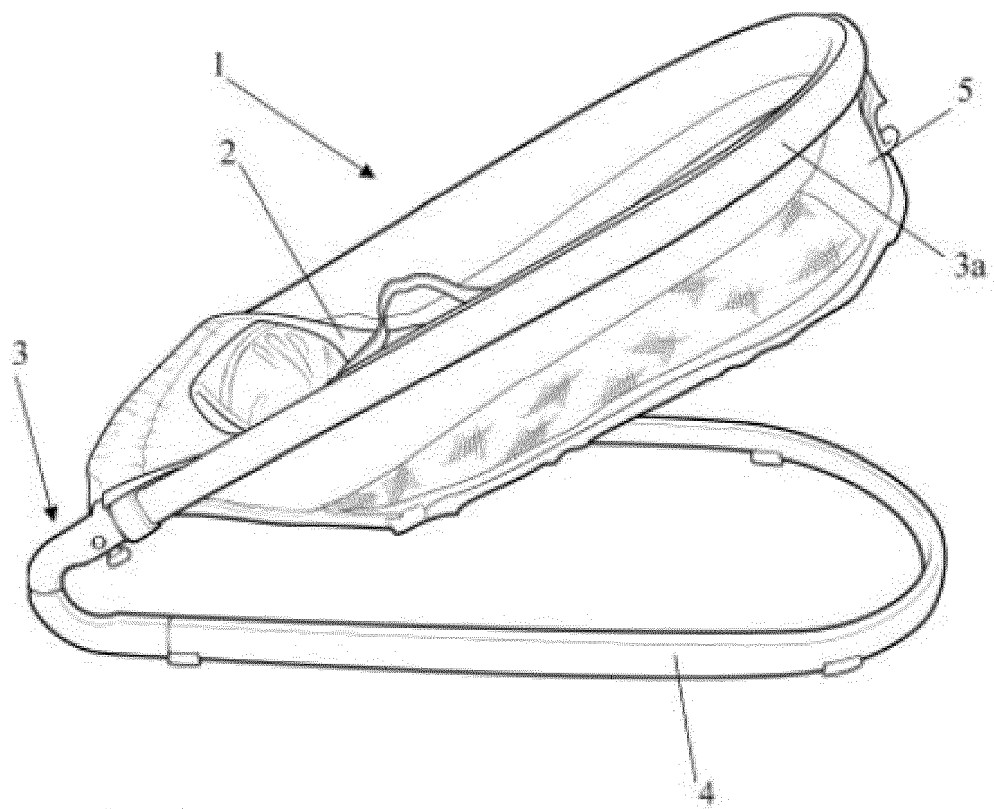
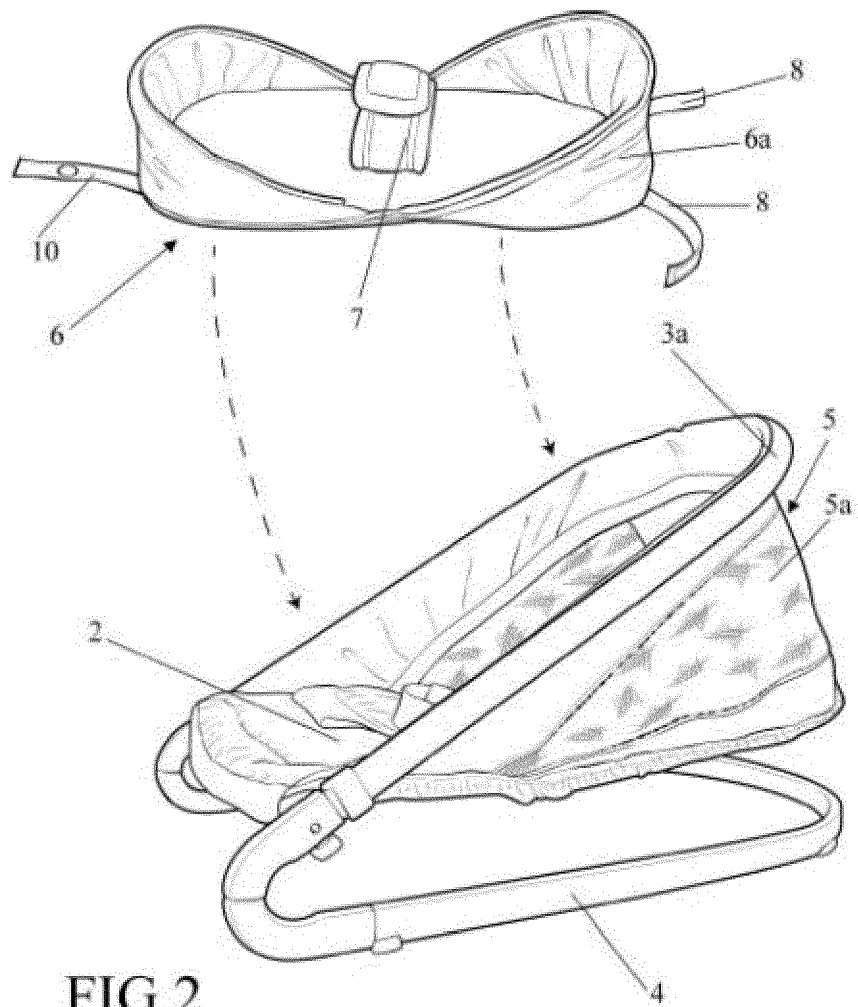


FIG.1



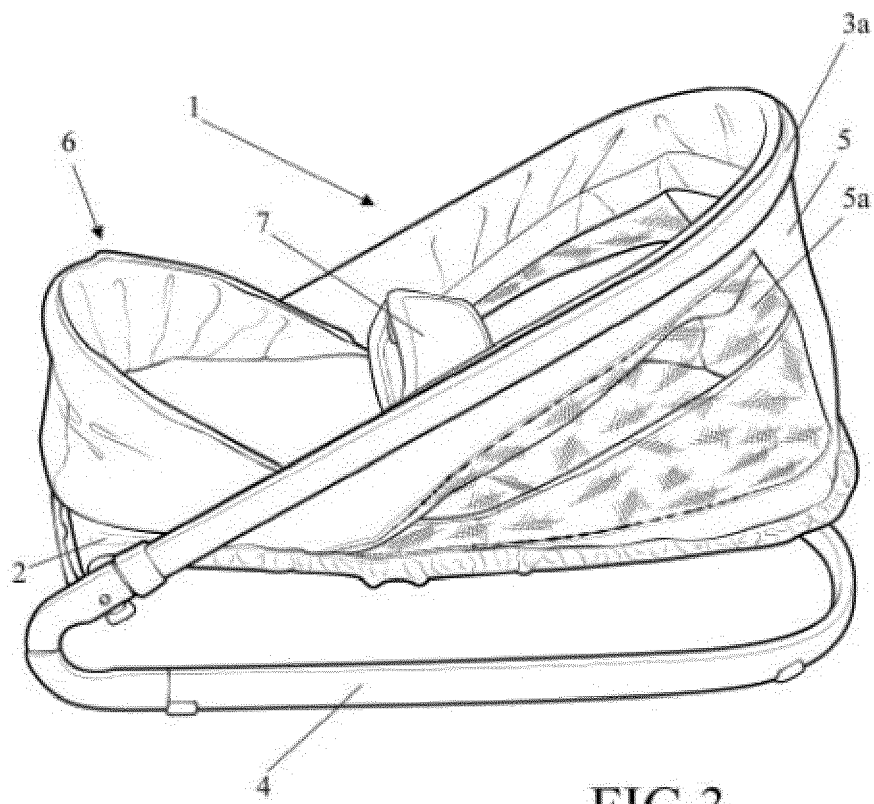


FIG.3

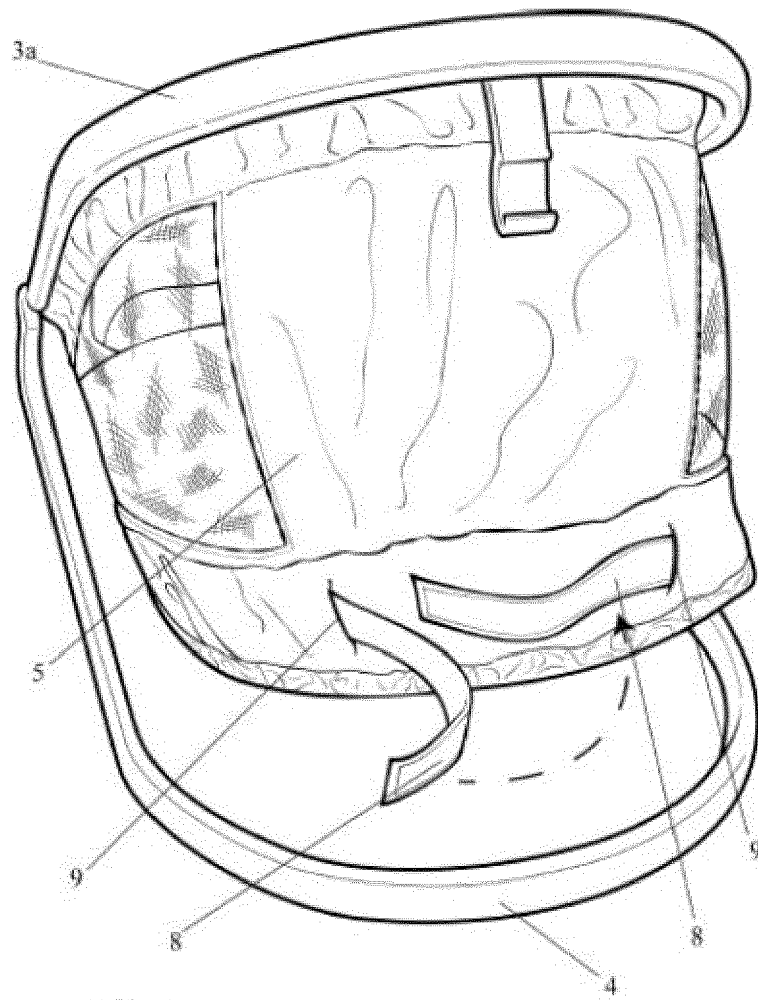


FIG.4



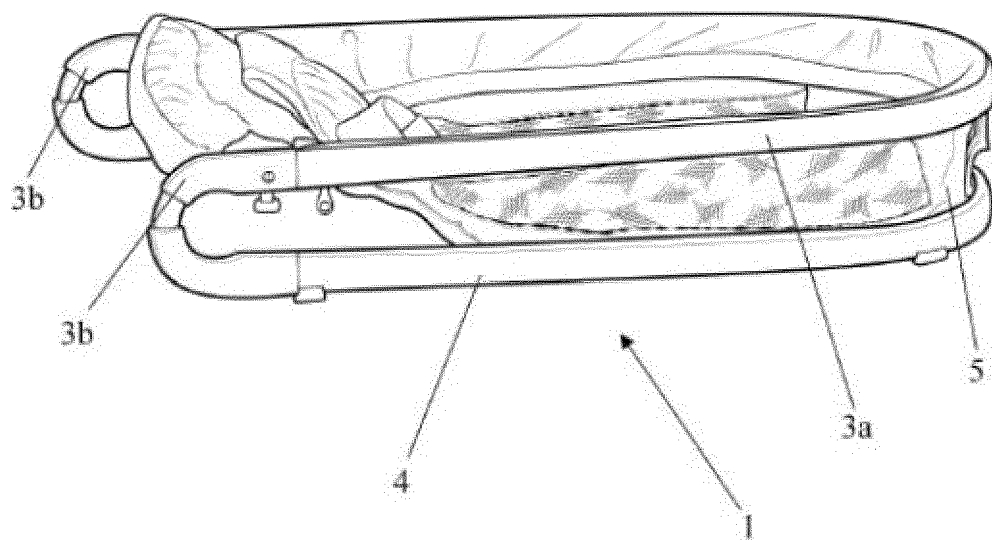


FIG.5



## EUROPEAN SEARCH REPORT

Application Number  
EP 12 38 2280

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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			TECHNICAL FIELDS SEARCHED (IPC)
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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 4 October 2012	Examiner Kis, Pál
<p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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 ..... &amp; : member of the same patent family, corresponding document</p>			

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EPO FORM 1503 03-02 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT  
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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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