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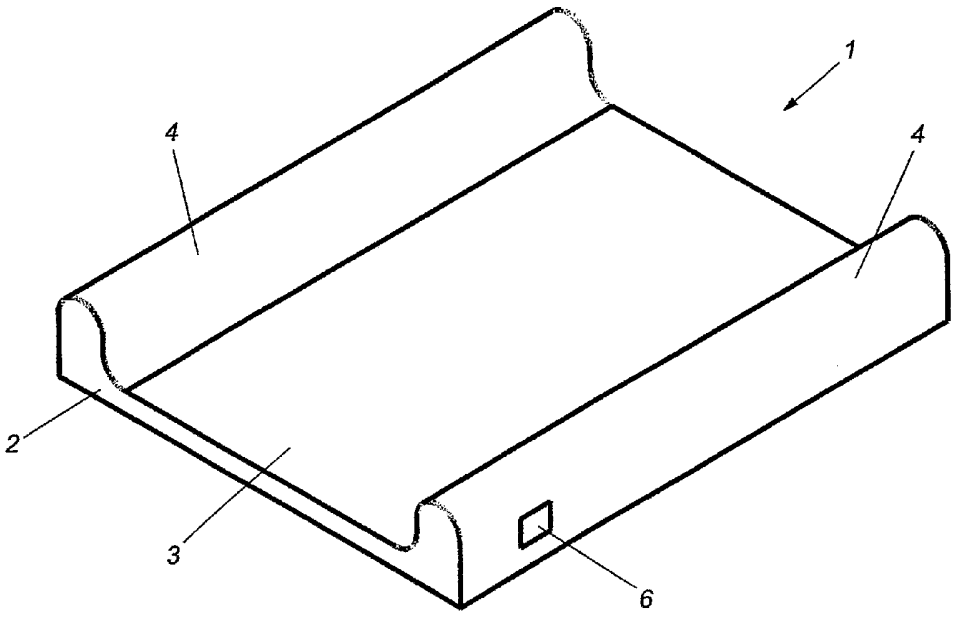
(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: BABY CHANGING TOP WITH WEIGHING SYSTEM



(57) **Abstract:** The invention refers to a changing top (1) for babies with a weighing system system of the type of those consisting of a portion (2) of padded material, sometimes with a central area side sections (4°). This invention is characterised in that the padded portion (2) is provided with a digital weight measuring system consisting of sensors, a weight measurement display, a switch (6), an electronic operating system, and a compartment with a cover for the power supply batteries.

WO 2006/008608 A1

BABY CHANGING TOP WITH WEIGHING SYSTEM

DESCRIPTION

Object of the invention

The present invention refers to a changing top for babies with a weighing system.

Background to the invention

At the present time we are familiar with changing tops for babies that consist of a padded portion, in some cases with lateral flarings defining a central recessed area, and which are set in place as a kind of cover for cabinet or scissor type baths, or else on any type of secure flat surface as well.

These changing tops are used daily for dressing the baby, especially after bathing it, and they fulfil no other purpose.

Otherwise, since checking the baby's weight provides one of the most important facts and an indicator for monitoring its normal development, it is wise to do this every day. At present, this is no easy matter and the results are not accurate, because it normally entails a visit to a pharmacy, where the baby is weighed with its clothes on. This drawback is overcome by use of the changing top of the invention.

Description of the invention

The changing top of the invention has the optimum configuration to enable the baby's daily weight check to be performed simply, without clothes, and taking advantage of the time when it is either dressed or undressed, at

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bath time for instance.

In accordance with the invention, the changing top is made up of a padded material portion and may preferably have a central area recessed in relation to the enlarged side sections, in order to provide the baby with a certain lateral restraint.

The changing top is fitted with a digital weight measuring system, consisting of sensors, a weight measurement display, a switch, an electronic operating system, and a compartment with a cover for the power supply batteries.

The padded material portion may include a bearing support to endow it with the necessary rigidity, or else it may rest directly on a consistent horizontal surface with no bearing support.

In this way, when dressing or undressing the baby every day, the changing top weighing system may be switched on in order to ascertain its weight unclothed, in a simple fashion.

Brief description of the drawings

Figure 1 shows a view of the changing top of the invention.

Figure 2 shows an overhead plan view of the changing top of the invention.

Figure 3 shows a bottom plan view of the changing top of the invention.

Description of a practical embodiment of the invention

The changing top 1 of the invention is made up of a portion 2 of padded material, preferably polyurethane with a PVC cover, with a central area 3 recessed in respect of two parallel side sections 4, enlarged so as to provide the baby with a certain lateral support.

Portion 2 is provided with a digital weight measuring system, with internal sensors, not depicted, so as to show the baby's weight while being changed on a small display 5 located in one of the side sections 4. One of the same sections 4 also houses a switch 6 which shuts off the power supply to the weighing system when its use is not required.

The lower part of portion 2 has a compartment 7 with a cover 8 for the batteries that power the weighing system. This section will also preferably house the weighing system electronics, not shown.

Now that an adequate description has been given of the nature of the invention and of the way that it may be embodied in practice, it should be pointed out that the layouts described above and shown in the adjoining drawings are open to detail modifications, insofar as they do not alter the essential principle.

CLAIMS

1. Baby changing top with weighing system of the type of those consisting of a portion of padded material, sometimes with a central area recessed in relation to enlarged side sections, **characterised** in that the padded portion is provided with a digital weight measuring system consisting of sensors, a weight measurement display, a switch, an electronic operating system, and a compartment with a cover for the power supply batteries.

2. Changing top according to claim 1 **characterised** in that the display and/or the switch are installed in one or more of the enlarged side sections of the padded portion.

3. Changing top according to claim 1 **characterised** in that the battery compartment cover is accessible from the bottom of the padded portion.

4. Changing top according to claim 1 **characterised** in that the padded material portion incorporates a bearing support.

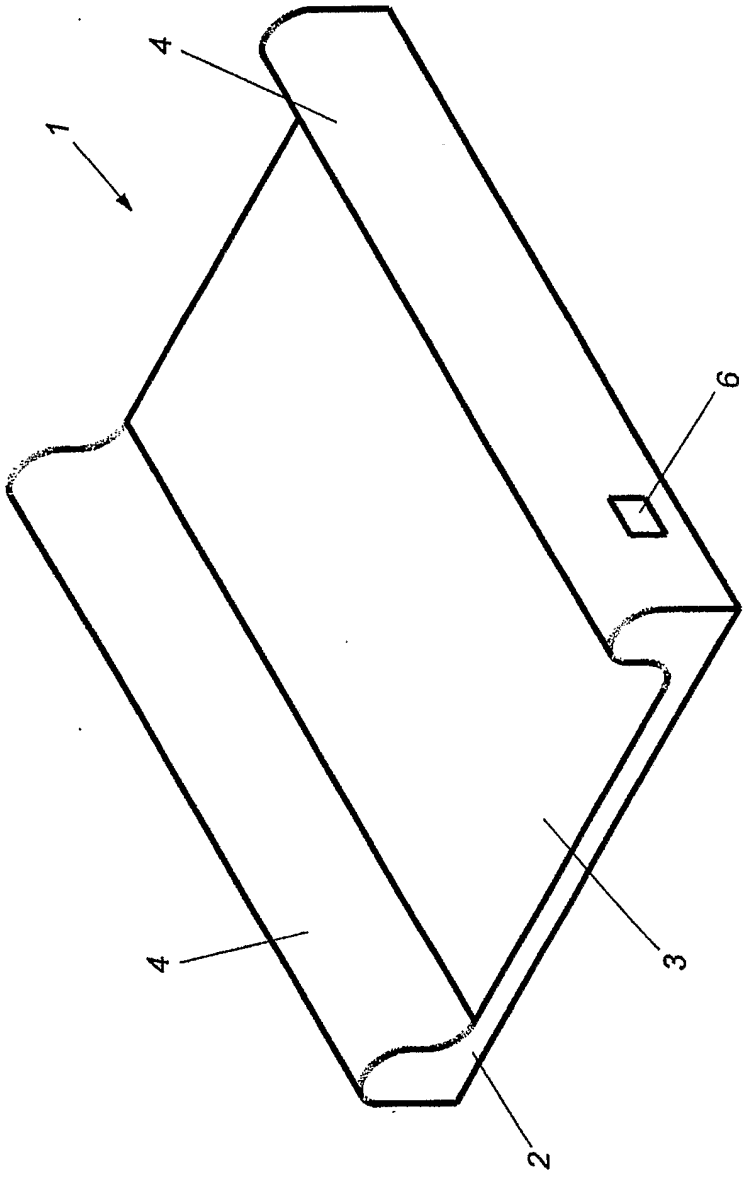


FIG. 1

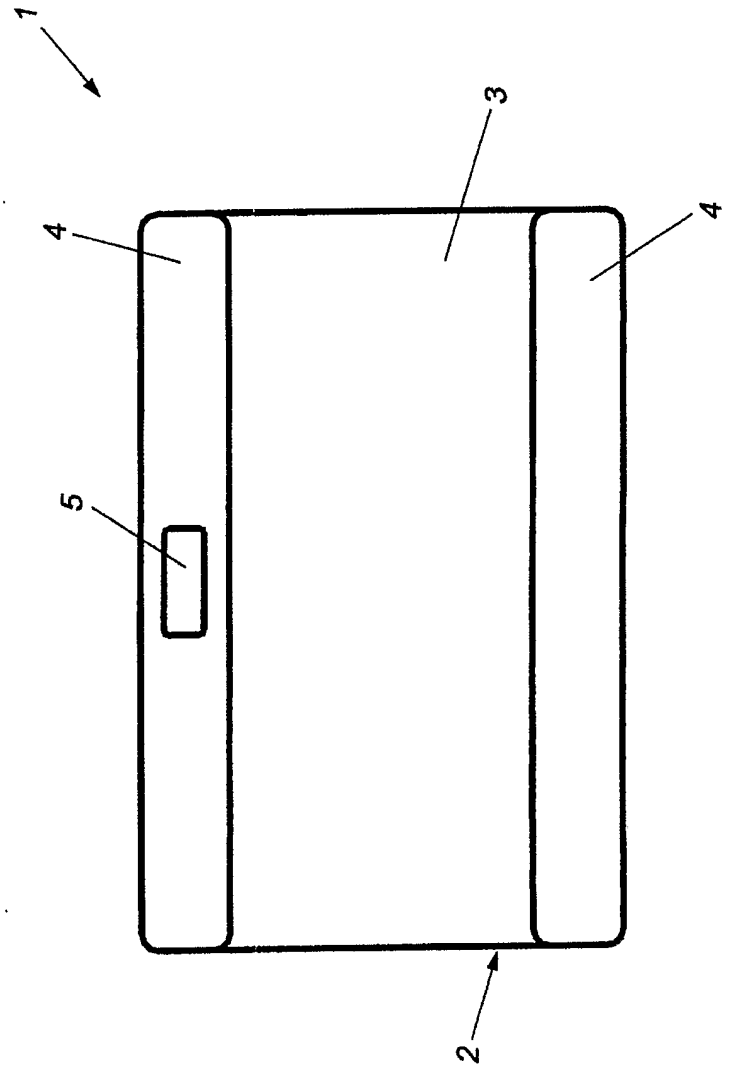


FIG. 2

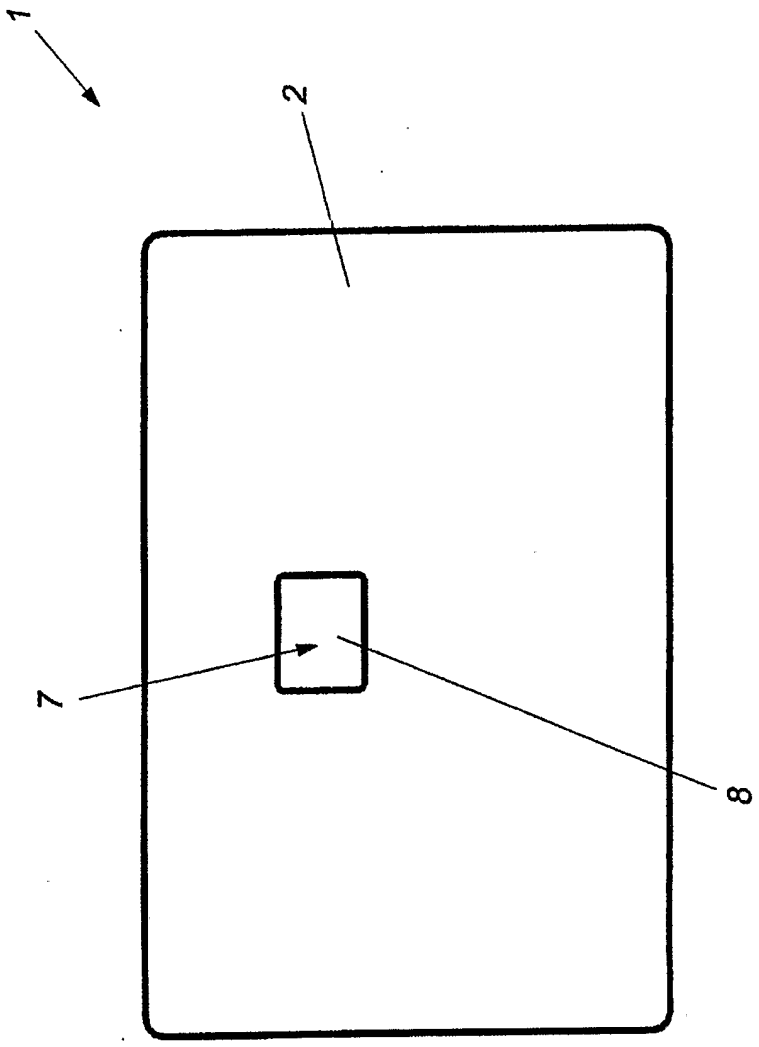


FIG. 3

INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A47D5/00 G01G19/44

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 A47D G01G

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 377 177 B1 (BROUSSARD ROSE ET AL) 23 April 2002 (2002-04-23) figure 1	1
A	US 4 038 973 A (MOORE MARY A) 2 August 1977 (1977-08-02) figure 1	1
A	DE 91 03 415 U1 (MAIER WERNER) 20 June 1991 (1991-06-20) figure 1	1,4
A	FR 2 708 343 A (TORRALBA TORRES MANUEL ET AL) 3 February 1995 (1995-02-03) figure 1	1,2
A	US 4 339 012 A (VOGEL SÖNKE ET AL) 13 July 1982 (1982-07-13) the whole document	1,2

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

° Special categories of cited documents :

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"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

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"&" document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
10 October 2005	19/10/2005

Name and mailing address of the ISA	Authorized officer
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INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
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