AUSTRALIA

The Patents Act 1990

PATENT REQUEST: CONVENTION PATENT

We, MIRA LANZA S.p.A., being the person identified below as the Applicant, request the grant of a patent to the person identified below as the Nominated Person, for an invention described in the accompanying standard complete specification.

Full application details follow:

Applicant: MIRA LANZA S.p.A.
Address: 11/A, Via Lampedusa - I-20141 MILANO, Italy
Nominated Person: MIRA LANZA S.p.A.
Address: 11/A, Via Lampedusa - I-20141 MILANO, Italy
Invention Title: "Carton for powder substances such as washing powders"
Name of Actual Inventor: Fabrizio Berveglieri
Address for Service in Australia: CALLINAN LAWRIE, 278 High Street, Kew, Victoria 3101, Australia
Attorney Code: CL

Convention Details

<table>
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<tr>
<th>Application Number</th>
<th>Country</th>
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<th>Date of Application</th>
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<tr>
<td>92 U 000035</td>
<td>Italy</td>
<td>IT</td>
<td>23rd June 1992</td>
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Drawing number recommended to accompany the abstract - Fig. 1.

DATED this 24th day of May, 1993.

MIRA LANZA S.p.A.
By its Patent Attorneys:
CALLINAN LAWRIE
NOTICE OF ENTITLEMENT

We

MIRA LANZA S.p.A.

of, 11/A, Via Lampedusa - I-20141 MILANO

being the applicant in respect of Application No. 38760/93

state the following:

The inventor(s) of the invention are as follows:

The person(s) nominated for the grant of the patent:

(i) is/are the actual inventor(s)

(ii) has/have entitlement from the actual inventor(s) by virtue of in that such person would, on the grant of a patent for the invention, be entitled to have the patent assigned to it; and

(iii) is/are the applicant(s) of the basic application(s)

(iv) has/have entitlement from the applicant(s) of the basic application(s) listed on the patent request form, by virtue of

Complete only for non-PCT applications

The person(s) nominated for the grant of the patent:

(i) is/are the applicant(s) of the application(s) listed in the declaration under Article 8 of the PCT

(ii) has/have entitlement from the inventor(s) and/or the applicant(s) of the application(s) listed in the declaration under Article 8 of the PCT, by virtue of

Complete only for PCT applications

The basic application(s) listed:

(i) on the request form

(ii) in the declaration made under Article 8 of the PCT

is/are the first application(s) made in a Convention country in respect of the invention.

MIRA LANZA S.p.A.

Signature

Date

18 June 1993

Dr. Francesco RIZZO
General Manager
Carton for containing powder substances such as washing powders, water softening substances and the like, comprising: a box container (3) in cardboard or some other material suitable for the purpose and a lid (2), the carton being characterised in that said lid (2) is so shaped that its outside has a cavity (22) of complementary shape to that of a measuring device (5) for measuring out the powder substance in question.
AUSTRALIA

PATENTS ACT 1990

COMPLETE SPECIFICATION

FOR A STANDARD PATENT

ORIGINAL

TO BE COMPLETED BY APPLICANT

Name of Applicant: MIRA LANZA S.p.A.

Actual Inventor(s): Fabrizio Berveglieri

Address for Service: CALLINAN LAWRIE, 278 High Street, Kew, 3101, Victoria, Australia

Invention Title: "Carton for powder substances such as washing powders"

The following statement is a full description of this invention, including the best method of performing it known to me:-
The present invention relates to cartons for containing powder substances such as washing powders, water softening substances and the like, from which measured amounts are to be taken and dispensed.

For this purpose, known cartons of this type are supplied with a measuring device, generally in the form of a scoop or spoon element. This spoon is usually inserted during packaging inside the carton in contact with the powder product.

This means that the user has to hunt for the measuring device in the middle of the powder after opening the packaging, which is not always an easy job. Furthermore, after the product has been measured out, the user has the problem of where to put the measuring device, with the result that the latter is often lost.

It has also been proposed that the measuring device be accommodated inside the carton but stuck in an easily detachable manner, for example by using self-adhesive tapes, to the inside of the lid. Although this solution solves the problem of the measuring device sinking into the powder, it does not overcome the problem of where to put the measuring device after each use.

It has also been proposed that the measuring device be accommodated outside the carton. However, this solution is even worse than the previous one since not only does it not eliminate the problem of where to put the measuring device after measuring out the powder, but also creates problems when stacking the cartons for transport or the like.
The main object of the present invention is therefore to provide means for accommodating the measuring device in the carton in a position where it can easily be accessed by the user, in which these means may also form a seat for stably holding the measuring device after measuring out the powder.

According to a chief characteristic of the present invention, this is achieved by making the lid of the carton out of cardboard or plastic in a more or less thin sheet, and making in this lid a cavity of complementary shape to the shape in plan of the measuring device, this cavity being able to accommodate the measuring device in such a way that the latter does not project beyond the outer surface of the lid.

Advantageously, during the packaging of the carton, after the measuring device has been placed in the cavity of the lid, the cavity is sealed by means of an easily detachable adhesive sheet. Advantageously, this adhesive sheet is a self-adhesive sheet of transparent plastic so that the measuring device can be seen to be present.

Further objects, characteristics and advantages of the carton according to the invention will appear in more detail in the following description thereof, which refers to the attached drawings in which:

Figure 1 is an isometric drawing of a carton according to the invention, with measuring device inserted in its seat in the lid, and

Figure 2 is an enlarged view of part of the carton shown in Figure 1, showing the lid in section along the transverse plane II-II in Figure 1.

With reference to the drawings, and with particular reference to Figure 1, 1 denotes a carton according to the present model. This carton 1 comprises: a box 3 containing the washing powder and made of cardboard or other material suitable for the purpose; a handle 4 for carrying said carton, fixed to the carton by means of the pins 41; a lid 2 made of more or less thin sheet plastic
that has been vacuum thermoformed, or pressed, or otherwise shaped, to produce a cavity 22 for accommodating a spoon-type measuring device 5, said device 5 and said cavity 22 being covered with a self-adhesive sheet 21 of easily removable transparent plastic.

The cavity 22 advantageously has two symmetrical recesses 23 positioned alongside the handle part of the measuring device 5 to enable the user to take the device 5 out of the cavity 22 quickly and easily. In the same way the measuring device can be replaced in said cavity 22 after use. The plastic sheet 21 placed as a closure over the cavity 22 accommodating the measuring device 5 has the function of protecting the latter during storage and transport to prevent it from being lost. The user can easily remove this sheet to get at the measuring device 5.

By this means a convenient association is provided of a measuring device with a washing powder pack, which makes the manufacturer's operations simpler as in this way he can easily join together the measuring device and the carton without concerning himself with whether the user will be able to find the measuring device or how the carton itself can be transported. At the same time the consumer's task is made easier in that he no longer has the inconvenience of searching for the measuring device inside the package, and need have no concern about losing it throughout the use of the powder pack; instead he now has a measuring device 5 that is easy to find and just as easy to put away in its seat in said cavity 22 after use.

Clearly, the invention is not restricted to the embodiment illustrated and described, but rather comprises all such variants and modifications coming within the scope of the same innovative design as confer equal utility. Thus, for example, instead of or in addition to the adhesive plastic sheet 21 used to seal the cavity 22, a suitable removable overlid made of transparent plastic or the like may be used.
Although in the example shown and described, the lid 2 has been indicated as being made of thin sheet plastic, it will be understood that it may be made of cardboard, pressed card, sheet metal or some other material suitable for the purpose.
The claims defining the invention are as follows:

1. A carton for containing powder substances such as washing powders, water softening substances and the like, comprising: a box container in cardboard or some other material suitable for the purpose and a lid, wherein said lid is so shaped that its outside has a cavity of complementary shape to that of a measuring device for measuring out the powder substance in question.

2. The carton according to Claim 1, in which said cavity in said lid has two symmetrical recesses for facilitating the grasping of a part of the measuring device, such as its handle, between two fingers of the user's hand in order to facilitate the removal of the measuring device from the cavity.

3. The carton according to Claim 1 or Claim 2, in which said measuring device and said complementary cavity are covered by a transparent plastics material sheet.

4. The carton as claimed in Claim 3, wherein said sheet is self-adhesive and can be easily removed.

5. The carton according to any one of the preceding Claims, further including a removable overlid made of transparent plastics material.

6. The carton according to any one of the preceding Claims, wherein said lid is made of thin plastics, cardboard, pressed card, sheet metal or the like.

7. A carton for containing powder substances, substantially as described herein with reference to the accompanying drawings.

DATED this 24th day of May, 1993.

MIRA LANZA S.p.A.
By its Patent Attorneys:
CALLINAN LAWRIE
ABSTRACT

Carton for containing powder substances such as washing powders, water softening substances and the like, comprising: a box container (3) in cardboard or some other material suitable for the purpose and a lid (2), the carton being characterised in that said lid (2) is so shaped that its outside has a cavity (22) of complementary shape to that of a measuring device (5) for measuring out the powder substance in question.

(Fig. 1)