



March 18, 2016

Certification

Park IP Translations

This is to certify that the attached translation is, to the best of my knowledge and belief, a true and accurate translation from French into English of: Campagnolo French Pat. 2820726.PDF.

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(19) REPUBLIC OF FRANCE

(11) Publication No.: **2 820 726**
(use only when ordering copies)

**NATIONAL INSTITUTE OF
INDUSTRIAL PROPERTY**

(21) National registration no.: **01 02004**

PARIS

(51) Int. Cl⁷: **B 65 D 83/32**

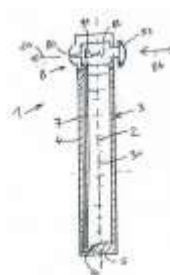
(12) **INVENTION PATENT APPLICATION**

A1

<p>(22) Filing date: 14.02.01</p> <p>(30) Priority:</p> <p>(43) Date when application was published: 16.08.02 Buletting 02/33</p> <p>(56) List of documents mentioned in the preliminary research report: See at the end of this booklet</p> <p>(60) References to other related national documents:</p>	<p>(71) Applicant(s): <i>MT PACKAGING Société Anonyme – FR</i></p> <p>(72) Inventor(s): CAMPAGNOLO MICHEL</p> <p>(73) Owner(s):</p> <p>(74) Agent(s): PECHINEY</p>
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(54) FLUID COSMETIC PRODUCT DISPENSER WITH MASKED DIP TUBE

(57) The dispenser (1) includes a flask (3) comprising a side wall (4), a bottom and an orifice on top closed off by a dispensing head (8) that is part of said flask (3), with said head comprising a means (81, 82) that can be manually activated, to ensure, thanks to a tube (7) dipped into said fluid product, the flow of said liquid product (2), and is characterized in that said wall (4) is transparent, and in that all or a part of said tube (7) runs along said wall (4) typically close to and tangentially to said wall, so as to hide or mask all or a part of said tube (7) and consequently to increase the visual impression of transparency of the flask.



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FLUID COSMETIC PRODUCT DISPENSER WITH MASKED DIP TUBE

INVENTION DOMAIN

The invention concerns the domain of fluid cosmetic product dispensers comprising a dip tube and a dispensing head typically provided with a manually activated pump so as to dispense a dose of liquid or pasty cosmetic product with each manual pressure.

STATE OF THE ART

In state of the art dispensers, the dispensing head is necessarily provided with a dip tube when the dispenser is used vertically with its heads located in its top part.

On the other hand, the dispenser is obviously without the dip tube if used otherwise with its head located below the level of said fluid cosmetic product.

THE PROBLEM AT HAND

On the one hand, more and more, dispensers include a transparent flask or bottle and this is for several reasons, with esthetic reasons or those related with fashion in general, and with the fashion of transparency in particular, not being one of the least of such reasons. However, in dispensers according to the state of the art, the dip tube is substantially centered with respect to the dispenser and consequently perfectly visible when the dispenser flask is transparent, so that this element harms most often the general esthetics of the dispenser.

On the other hand, there is a permanent demand for products that are at the same time novel and that differentiate themselves through particular esthetics.

The invention aims at bringing a response to these problems in the case of liquid or pasty product dispensers, typically in the case of cosmetic products.

DESCRIPTION OF THE INVENTION

According to the invention, the dispenser of a liquid or pasty fluid product, typically a cosmetic product, includes a flask or bottle that contains such fluid product, with said flask comprising a side wall, a bottom and an orifice on top closed off by a dispensing head joined to said flask, with said head comprising, besides an orifice for releasing said product to the outside, a means that can be manually activated, typically by pressing a push-button, to ensure, thanks to a tube dipping in said fluid product, the flow of said fluid product through said orifice, and is characterized in that said wall is made of a transparent material, and in that all or a part of said tube runs next to said wall, typically closely and tangentially to said wall, thus masking all or a part of said tube and thus increasing the visual impression of transparency of the flask.

Consequently, the dispensers according to the invention resolve the problems presented and offer new possibilities to diversify the new products offered and to give to these products a highly distinctive feature with respect to known dispensers, and which renews totally the classic image of dispensers.

DESCRIPTION OF THE FIGURES

All figures related to the dispensers (1) according to the invention.

Figures 1, 2, 3, 4, 5, and 6 are schematic views of these dispensers (1) as an axial section in a vertical plane.

Figures 1a, 2a, 3a, 4a, 5a are sections (43) of flasks (3) in a horizontal plane.

Figures 6a and 6b are partial sections (44) of flasks (3) in a horizontal plane.

In the dispenser of figures 1 and 1a, the flask (3) comprises a side wall (4) with a cylindrical section and the tube (7) runs tangentially alongside the wall (4).

In the dispenser of figures 2 and 2a, the flask (3) comprises a side wall (4) with a square section made up of right-angle faces (41), with the tube (7) running tangentially with the right angle formed by two faces (41).

In the dispenser of figures 3 and 3a, the flask (3) comprises a side wall (4) with an oval section comprising an axial groove (40) in which the tube (7) is embedded.

In the dispenser of figures 4 and 4a, the flask (3) comprises a side wall (4) with a round section in which a channel 42 is created.

In the dispenser of figures 5 and 5a, the flask (3) comprises a side wall (4) with a truncated section and the tube (7) runs tangentially alongside the wall (4).

In the dispenser of figure 6, the flask (3) comprises a shoulder (31) that connects the head (8) and the side wall (4) that is cylindrical or not.

Figure 6a represents a type of dispenser (1) where the wall (4) comprises an axial groove (40) of which the edges form snap-on lips (400) for the tube (7).

Figure 6b represents another type in which the wall (4) is a wall encapsulated onto a tube, so as to form an encapsulated tube (70).

DETAILED DESCRIPTION OF THE INVENTION

According to a first method of the invention, said tube (7) may run closely along said wall (4), typically at less than 10 mm, preferably at less than 5 mm, or even against the wall itself with said tube and said wall having the same profile so that they blend visually into each other, as has been schematized on figures 1, 2 and 5.

According to a variant of this method, as illustrated on figure 2, said wall (4) may comprise two side faces (41) forming a straight or sharp angle among them, and in which all or a part of said tube (7) is located tangentially in said sharp angle.

According to another method of the invention, said tube (7) may be embedded in said wall (4). Then, said wall (4) may comprise an axial groove (40) in which is embedded all or a part of said tube (7), possibly by clipping or snapping on. This method is illustrated on figures 3 and 6a.

Figure 3 displays the case where the tube is simply located in the axial groove (40) while figure 6a displays the case where the axial groove comprises snap-on lips (400) so that the tube that

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