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(54) **BOTTLE FOR USE IN SPORTS**

(57) A bottle (10) for sports use comprising operating parts (11) adapted to be colored by means of an ink.

The operating parts (11) are exposed outside of the bottle (10) and mutually positioned so that after the first

coloring of the operating parts (11) or portions, the first operating parts (11) or said portions form letters, digits or other conventional symbols.

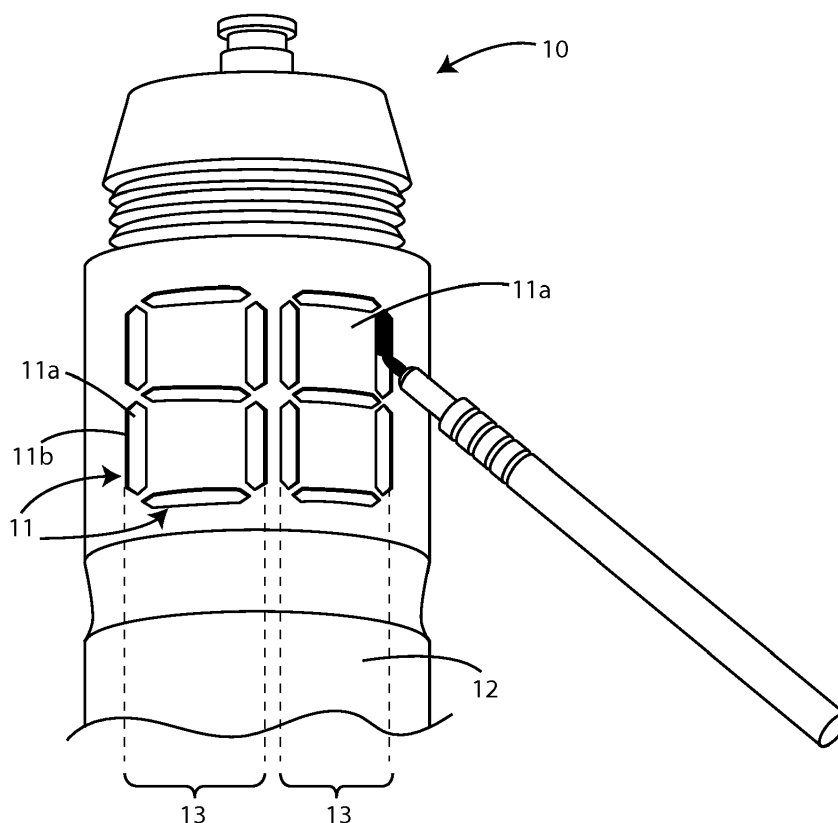


Fig. 1

Description

[0001] The present invention relates to a bottle for sports use.

[0002] In particular, the present invention relates to a bottle which allows to be marked in a simple and precise manner, in particular by allowing to mark a plurality of such bottles in a uniform way even tracing on the reference marks by hand.

[0003] Nowadays, there are many sports made up of teams in which a group of bottles are used for a plurality of athletes of the same team.

[0004] The Bottles of same team are generally of the same shape and color and therefore, they are not distinguishable one from the other.

[0005] Each athlete tends to mark his or her bottle, for example, by writing his name or his unique identification number.

[0006] This generates non-uniformity in the overall appearance of the group of bottles as each has a different style in which it is marked.

[0007] The underlying problem of the present invention is to render a bottle markable in order that the style in which it is marked can easily be maintain consistent for a group of bottles.

[0008] The main purpose of the present invention is to provide a bottle for sports use, that solves this problem by solving the drawbacks of a bottle for sports as described above.

[0009] Within the scope of this task, it is an object of the present invention to propose a bottle for sports use, markable with a wide range of predefined marks.

[0010] Another object of the present invention is to provide a bottle for sports use, that are markable with precise and durable marks.

[0011] Yet another object of the invention is to propose a bottle for sports use, that is structurally simple and easy to realize and use.

[0012] This task, as well as these and other objects that will best appear in the following, are achieved by a bottle for sports use according to claim 1 attached.

[0013] Detail features of the bottle for sports use according to the invention are reported in the corresponding dependent claims.

[0014] Further characteristics and advantages of the invention will become more apparent from the description of a preferred but non-exclusive embodiment of the bottle for sports use according to the invention, illustrated by way of non-limiting example in the joined table of figures, in which:

- figure 1 shows a partial view of a bottle for sports use according to the present invention;
- figure 2 shows a further partial view of a bottle for sports use;
- figure 3 illustrates a bottle for sports use according to the present invention, in perspective view.

[0015] With particular reference to the figures cited, the reference numeral 10 generally designates a bottle for sports use, which according to the present invention has a particular peculiarity in the fact that it has operating parts 11 delimited and adapted to be colored by means of an ink, these operating parts 11 are visible on the outside of the bottle and mutually positioned in such a way that, after the coloring of the first of these operating parts 11 or portions of them, they form letters, digits or other conventional symbols.

[0016] Preferably, the operating parts 11 are embossed or grooved with respect to an outer surface 12 of the bottle 10.

[0017] The operating parts 11 advantageously have an operating surface 11 a and an edge 11 b that surrounds the operating surface 11 a to hinder the coloring of surfaces of the bottle 10 different from the operating surface 11 a when it is colored by a user.

[0018] In other words, the edge 11 b defines a physical blocking, for example, to the tip of a pen or a marker, so that a user that colors the operating surface 11 a is guided by the edge 11 b to color the peripheral margin of the latter in a clean and precise manner.

[0019] Preferably, the operating surface 11 a is structurally or chemically suitable to retain an ink or other coloring material.

[0020] Advantageously, the operating surface 11 a is substantially parallel to the outer surface 12 of the bottle 10 and the operating parts 11 form a plurality of digits or letters and/or comprise a plurality of segments that are selectively colorable to form at least a digit or a letter such as, by way of example and not limitative, illustrated in figures 1 and 2.

[0021] Preferably, the operating parts 11 are grooved with respect to the outer surface 12 and comprise at least a group 13 of 7 rectilinear operating parts 11 arranged to form a stylized 8.

[0022] In this way, by selectively coloring a combination of the rectilinear operating parts 11, it is possible to obtain any of the digits from 0 to 9, for example in figure 2, in a first group, the straight lines of the operating part 11 are colored in a way to form the digit 2 and in a second group, the operational parts are colored to form the digit 3.

[0023] In a possible embodiment of the present invention, not shown in the accompanying figures, the bottle 10 advantageously comprises a body and a sheath covering at least partially an external face of the body, the sheath has through holes able to expose tracts of the external face of the body, whereby the tracts are delimited by the holes so as to define the operating parts.

[0024] The sheath is preferably movable on the body and, advantageously, can be coupled to the body and detachable from the latter to be used on the body of an additional bottle 10.

[0025] With particular reference to figure 3, the bottle 10 advantageously comprises a body 14 and a cap 15.

[0026] The operating parts 11 are provided with choices:

- exclusively on the body 14;
- exclusively on the cap 15;
- or on the body 14 and on the cap 15.

[0027] Preferably, the cap 15 comprises a lower part 16 able to couple with an opening of the body 14 and an upper part 17 provided with a spout 18 through which the user can drink the contents of the bottle.

[0028] The cap 15 advantageously comprises an upper wall 19 circumferential with spout 18 and provided with operating parts 11.

[0029] The body 14 has a main direction of development and advantageously the upper wall 19 extends substantially perpendicular to the main direction of development.

[0030] Thus, the bottle 10 allows for easy visibility of recognizable symbols even from the top, where such symbol have been drawn, as described above.

[0031] The invention thus conceived is susceptible of numerous modifications and variations, all of which fall within the scope of the enclosed claims.

[0032] In addition, all details may be replaced by other technically equivalent elements.

[0033] In practice, the materials used, as well as the shapes and the size of the contingents, may be varied according to the contingent needs and state of the art.

[0034] For example, the operating parts can be made from a dot matrix, little squares embossed or grooved, and not just with the typical features of the digital numbers exemplified in the attached figures.

[0035] If the constructive features and techniques mentioned in the following claims are followed by signs or reference numbers, such signs or reference numbers have been assigned with the sole purpose of increasing the intelligibility of the claims themselves and, consequently, they do not constitute in any way of limiting the interpretation of each element identified, purely for example, by such signs or reference numbers.

Claims

1. A bottle (10) for sports use **characterized in that** it has operating parts (11) adapted to be colored by means of an ink, said operating parts (11) being delimited and visible on the outside of said bottle (10) and mutually positioned such that by the coloring of firsts of said operating parts (11) or portions of them, said first operating parts (11) or said portions form letters, digits or other conventional symbols.
2. Bottle (10) according to claim 1, **characterized in that** said operating parts (11) are embossed or grooved with respect to an outer surface (12) of said bottle (10).
3. Bottle (10) according to one of the preceding claims, **characterized in that** said operating parts (11) have

an operating surface (11a) and an edge (11b) that surrounds said operating surface (11a) to counter the coloring of surfaces of said bottle (10) different from said operating surface (11 a) when it is colored by a user.

4. Bottle (10) according to claim 3, **characterized in that** said operating surface (11 a) is structurally or chemically suitable to retain an ink.
5. Bottle (10) according to claims 2 and 3 or 4, **characterized in that** said operating surface (11 a) is substantially parallel to the outer surface (12) of said bottle (10) and said operating parts (11) form a plurality of digits or letters and/or comprise a plurality of segments that are selectively colorable to form at least a digit or a letter.
6. Bottle (10) according to claims 2 and one of claims 3 to 5, **characterized in that** said operating parts (11) are grooved with respect to said outer surface (12) and comprise at least a group (13) of 7 rectilinear operating parts (11) arranged to form a stylized 8.
7. Bottle (10) according to one of the preceding claims, **characterized in that** it comprises a body and a sheath covering at least partially an external face of said body, said sheath has through holes suitable for making visible tracts of the external face of said body, said tracts delimited by said holes defining said operating parts (11).
8. A bottle (10) according to claim 7, **characterized in that** said sheath is movable on said body.
9. A bottle (10) according to claim 8, **characterized in that** said sheath can be coupled to said body and detachable from the latter to be used on the body of a further bottle (10).
10. Bottle (10) according to one of the preceding claims, **characterized in that** said operating parts (11) comprise a dot matrix, embossed or grooved.
11. Bottle (10) according to one of the preceding claims **characterized by** comprising a body (14) and a cap (15); said operating parts (11) being provided with choices:
 - exclusively on said body (14);
 - exclusively on said cap (15);
 - said body (14) and said cap (15).
12. A bottle (10) according to claim 11, **characterized in that** said cap (15) comprises a lower part (16) adapted to be coupled with an opening of said body (14) and an upper part (17) provided with a sprout (18) through which the user can drink the contents

of said bottle (10); said cap (15) comprising an upper wall (19) circumferential to said sprout (18) and provided with said operating parts (11).

13. A bottle (10) according to claim 12, **characterized in that** said body (14) has a main direction of development and said upper wall (19) extends substantially perpendicular to said main direction of development.

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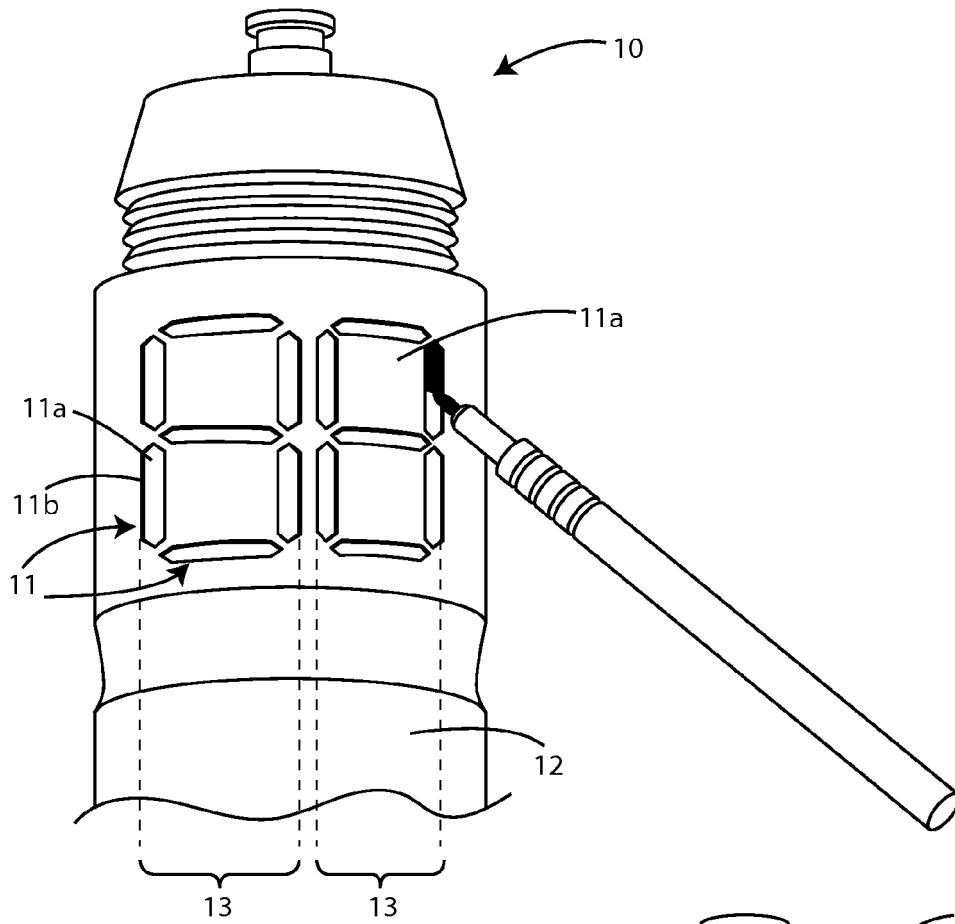


Fig. 1

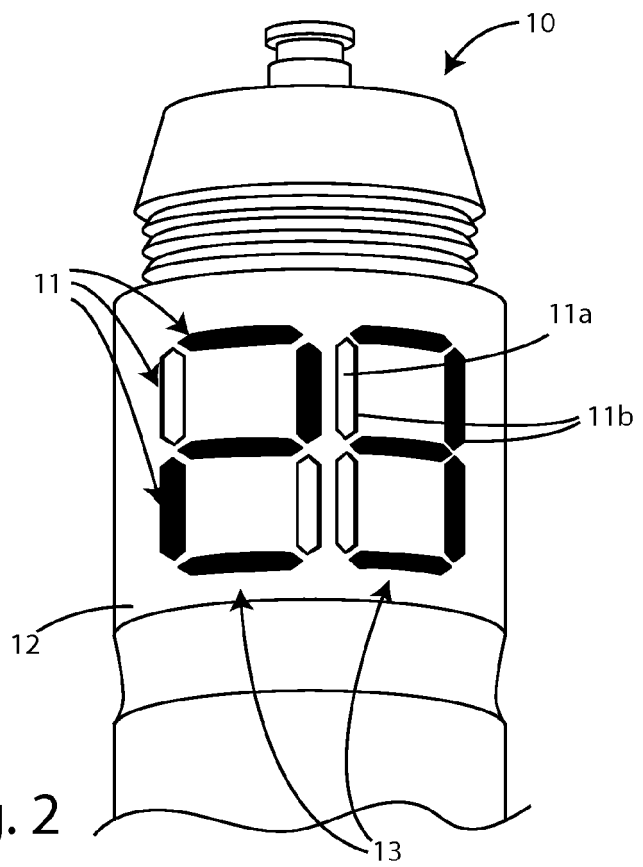


Fig. 2

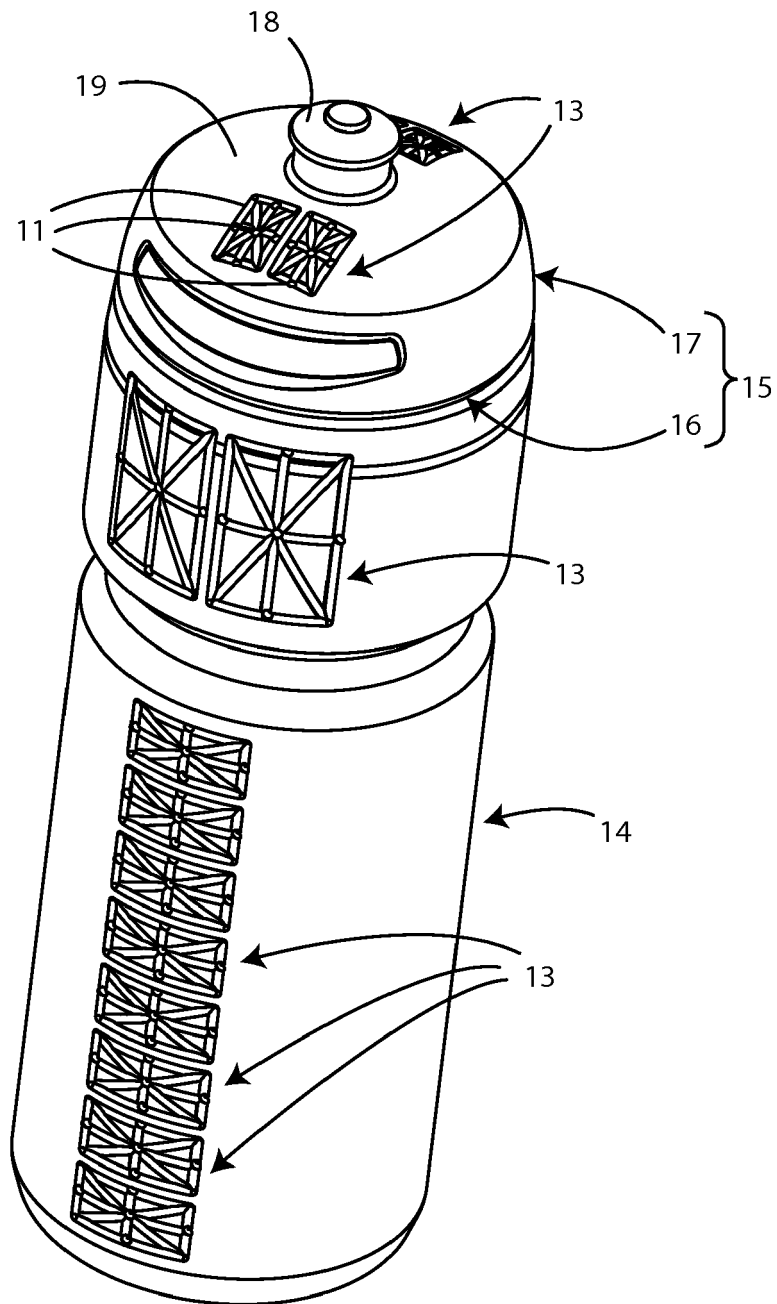


Fig. 3



EUROPEAN SEARCH REPORT

 Application Number
 EP 17 19 6069

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A	figure 1 *	12,13	B65D23/08 B65D1/44 B65D23/00 B65D47/24 B65D51/24
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A	* paragraphs [0001], [0002], [0011] - [0012], [0015] - [0024]; claim 1; figure 2 *	2-10	
Y	CN 2 825 526 Y (SHI JINGRONG [CN]) 11 October 2006 (2006-10-11)	5	
A	* figure 1 *	1-4,6-10	
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A	* paragraphs [0017], [0018], [0020], [0024]; figure 2 *	1	
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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 13 February 2018	Examiner Zanghi, Amedeo
CATEGORY OF CITED DOCUMENTS		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 & : member of the same patent family, corresponding document	
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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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