



(19) **United States**

(12) **Patent Application Publication**

Lee

(10) **Pub. No.: US 2006/0201941 A1**

(43) **Pub. Date: Sep. 14, 2006**

(54) **SPHERE CONTAINER**

(52) **U.S. Cl. 220/4.21**

(76) Inventor: **Hung-Ming Lee**, Taipei Hsien (TW)

(57) **ABSTRACT**

Correspondence Address:

Hung-Ming Lee
P.O. Box No. 6-57
Junghe
Taipei 235 (TW)

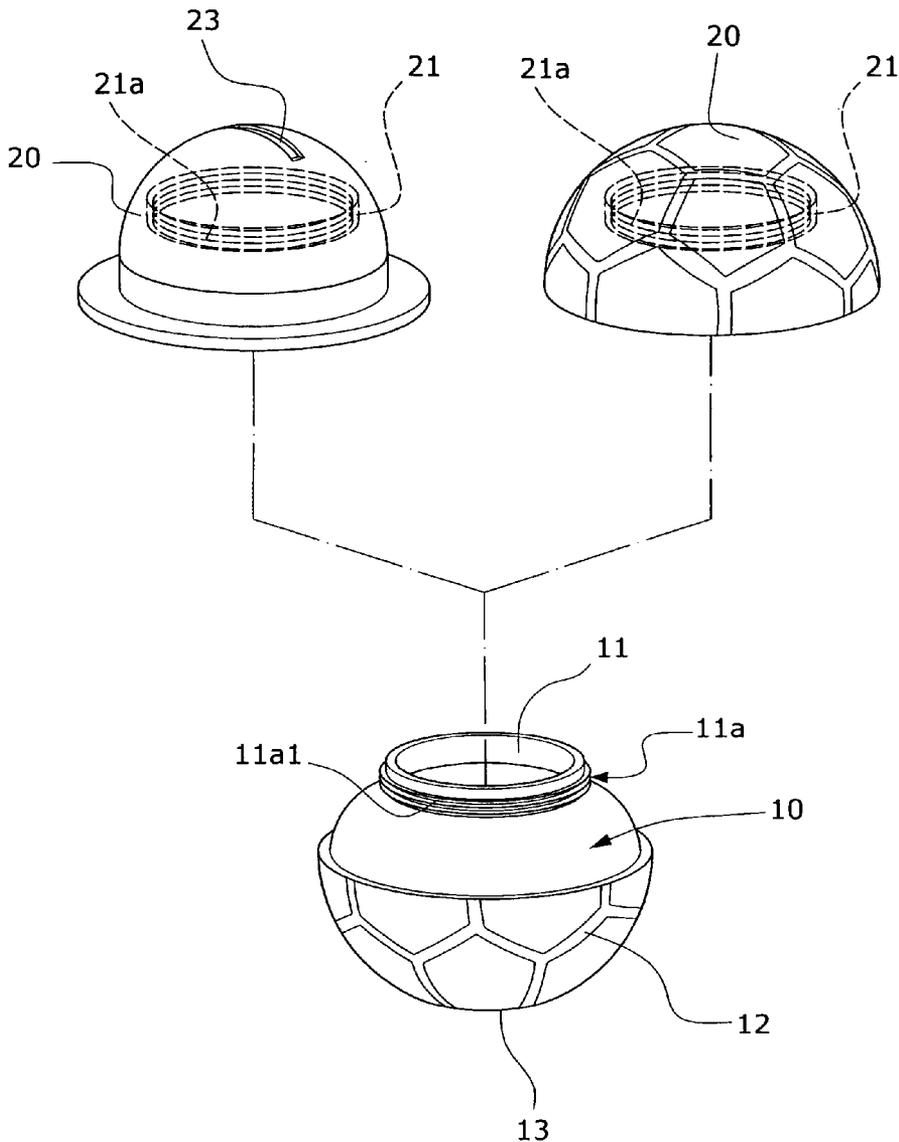
The present invention is a sphere container including a main body and several interchangeable caps, wherein the main body, being an upper semi-sphere joining with a lower semi-sphere of a larger diameter, having a top cut away to leave a circular opening for connecting with a short hollow cylinder as a capped section and a bottom cut away to form a base for standing on a surface, the cap having a capping section corresponding to the capped section, threads formed on the outer perimeter of the capped section and the corresponding capping section, and patterns formed on the outer surface of the sphere container, thereby enabling the sphere container being in vivid sundry appearances like a football, a basketball, or a baseball and having multiple applications when in different caps.

(21) Appl. No.: **11/076,997**

(22) Filed: **Mar. 11, 2005**

Publication Classification

(51) **Int. Cl.**
B65D 6/28 (2006.01)



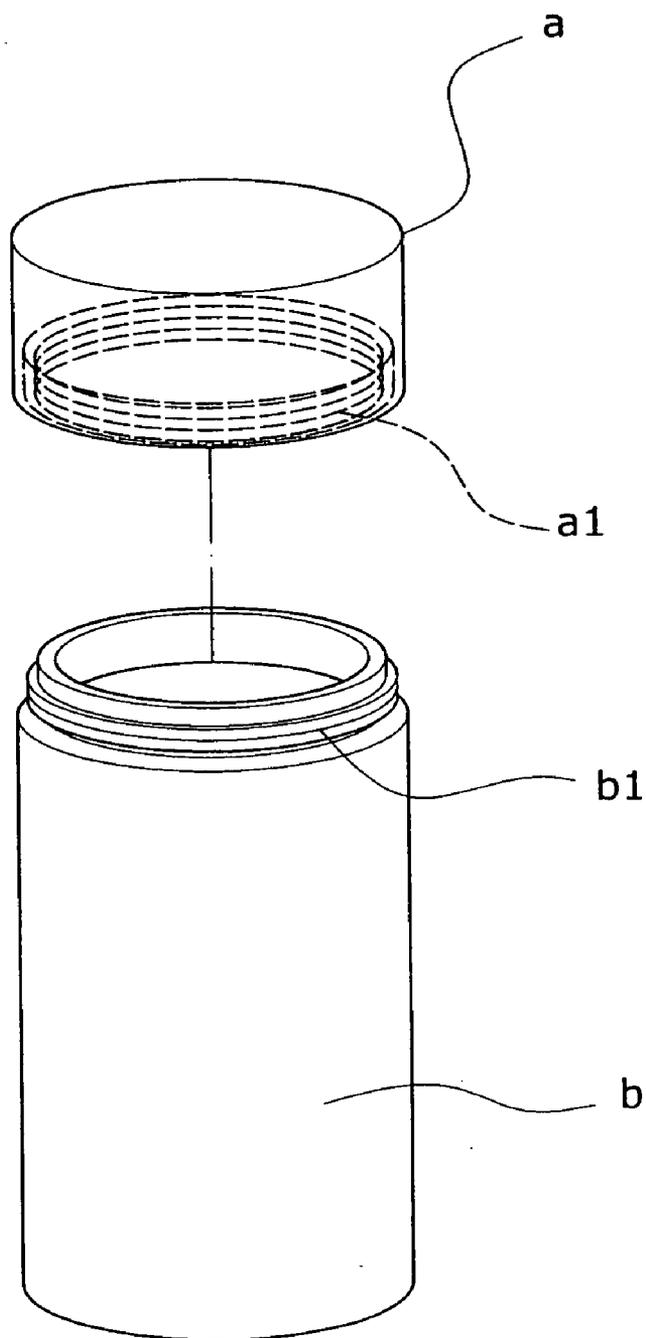


Fig.1

(PRIOR ART)

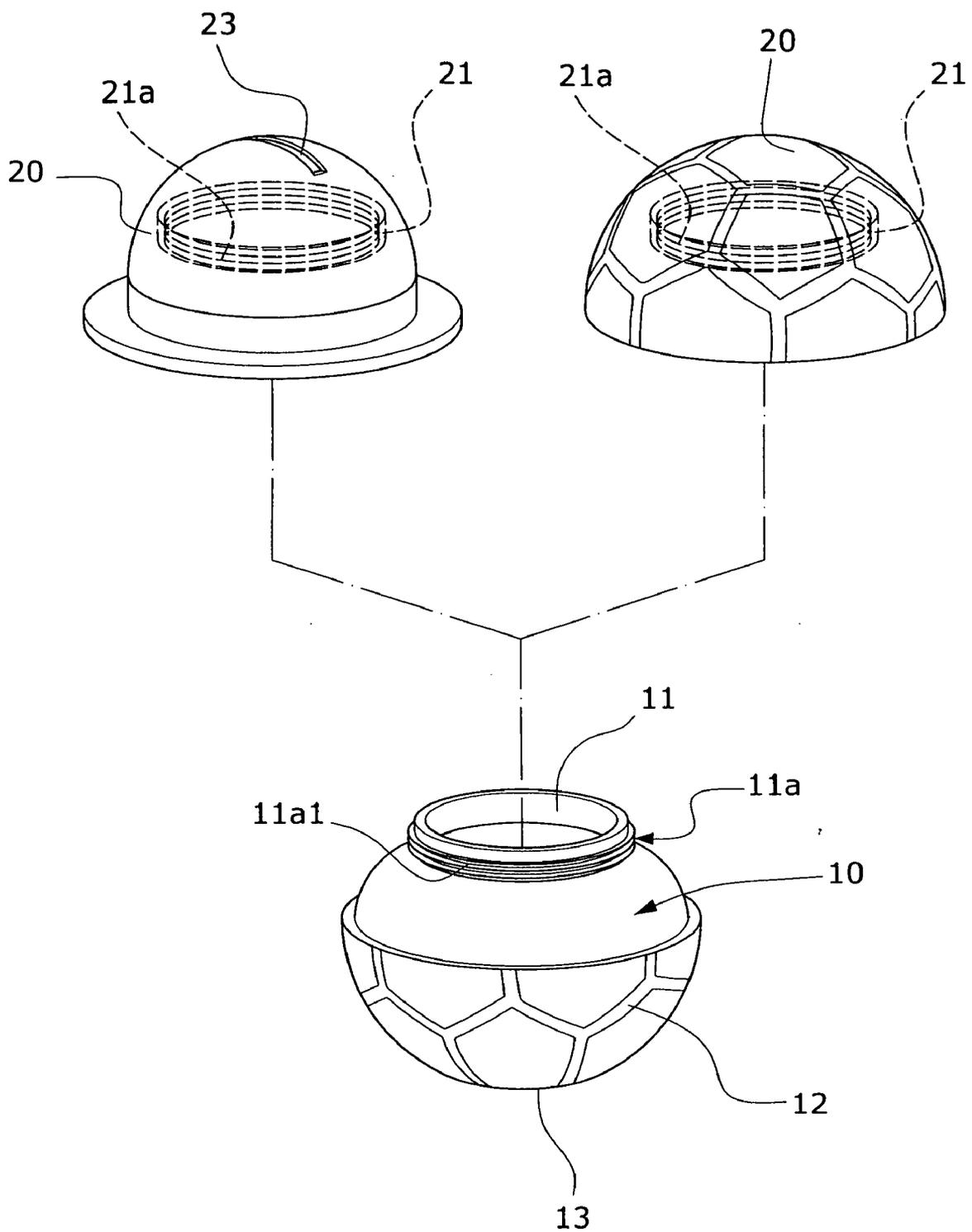


Fig.2

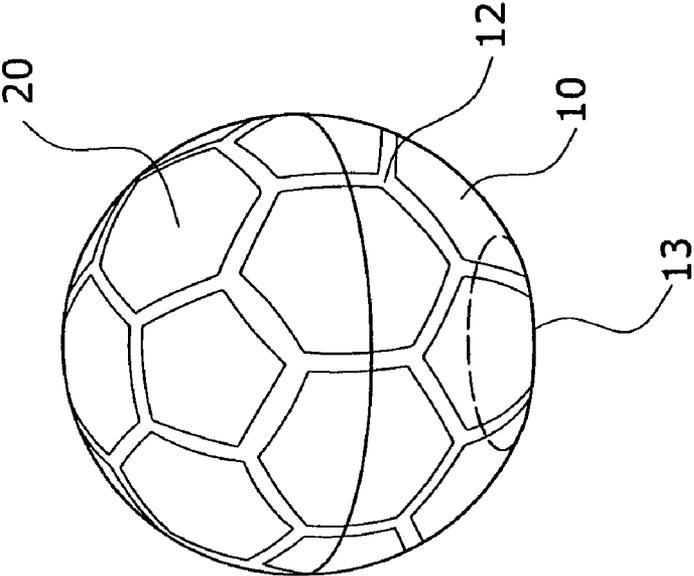


Fig. 3B

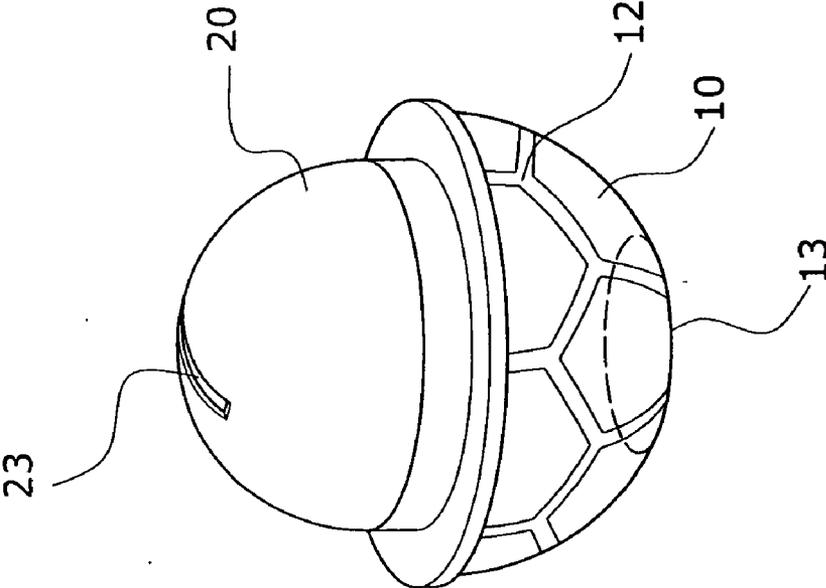


Fig. 3A

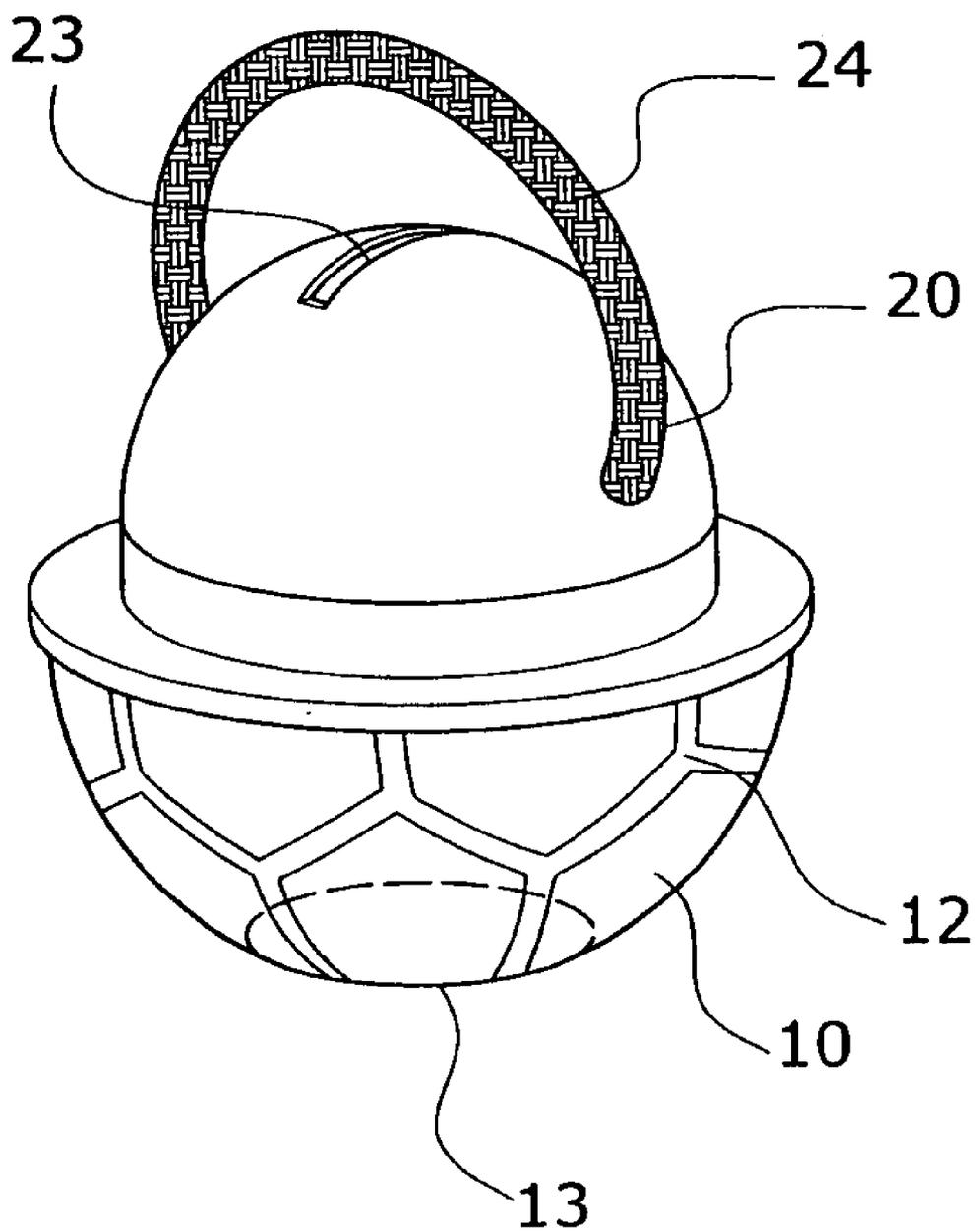


Fig.3C

SPHERE CONTAINER

BACKGROUND OF THE INVENTION

[0001] (a) Field of the Invention

[0002] The present invention relates to a sphere container and more particularly for a sphere container capping with three different caps to provide a fresh looking as well as serve for various applications.

[0003] (b) Description of the Prior Art

[0004] Referring to **FIG. 1**. A conventional container includes a container main body b and a cap a, having connection section a1 and b1 on the perimeter for making connection by threads formed thereof. Defects would be one container can only be used for one purpose and also the appearance can be too plain to attract buyers.

SUMMARY OF THE INVENTION

[0005] The present invention relates to a sphere container including a main body and several interchangeable caps, wherein the main body, being an upper semi-sphere joining with a lower semi-sphere of a larger diameter, having a top cut away to leave a circular opening for connecting with a short hollow cylinder as a capped section and a bottom cut away to form a base for standing on a surface, the first cap being a semi-sphere of the same diameter as that of the lower semi-sphere and having a capping section, threads formed on the outer perimeter of the capped section and the corresponding capping section of the cap, and patterns formed on outer surfaces of the first cap and the lower semi-sphere of the main body. To extend product applications, the second cap can be with a long rectangular hole on the center as the slot of a money-box and the third cap with a semi-circular handle.

[0006] By capping the first cap on the main body, a sphere container with beautiful patterns thereby formed. Similarly, when capping the second cap, a money-box thereby formed and when having the third cap, the container thereby being easy carried. Furthermore, as the capping connection being in the interior of the container and also the outer perimeter of the cap being firmly secured on the rim of the main body, thereby capping stability being enhanced, bugs being prevented from going inside, and water being prevented from leaking.

[0007] To enable a further understanding of the said objectives and the technological methods of the invention herein, the brief description of the drawings below is followed by the detailed description of the preferred embodiments.

BRIEF DESCRIPTION OF THE DRAWING

[0008] **FIG. 1** shows an exploded elevational view of a conventional container.

[0009] **FIG. 2** shows an exploded elevational view of the present invention.

[0010] **FIG. 3A** shows a perspective view of an application of the present invention.

[0011] **FIG. 3B** shows a perspective view of another application of the present invention.

[0012] **FIG. 3C** shows a perspective view of the third application of the present invention.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

[0013] Referring to **FIGS. 2 and 3A, B, and C**. The present invention is related to a sphere container including a main body **10** and three interchangeable caps **20**, wherein the main body **10**, being an upper semi-sphere joining with a lower semi-sphere of a larger diameter, having a top cut away to leave a circular opening **11** for connecting with a short hollow cylinder as a capped section **11a** and a bottom cut away to form a base **13** for standing on a surface, the first cap **20**, being a semi-sphere of the same diameter as that of the lower semi-sphere, having a capping section **21**, threads **11a1** and **21a** formed on the outer perimeter of the capped section **11a** and the corresponding capping section **21** of the cap **20**, respectively, and patterns **12**, being like that on a football, a basketball, or a baseball, formed on outer surfaces of the first cap **20** and the lower semi-sphere of the main body **10**. To extend product applications, the second cap **20** can be with a long rectangular hole **23** as the slot of a money-box and the third cap **20** with a semi-circular handle **24**.

[0014] In summary, the present invention of a sphere container is both pragmatic and advanced for having a football-like appearance with several interchangeable caps for different purposes.

[0015] It is of course to be understood that the embodiment described herein is merely illustrative of the principles of the invention and that a wide variety of modifications thereto may be effected by persons skilled in the art without departing from the spirit and scope of the invention as set forth in the following claims.

What is claimed is:

- 1. A sphere container comprising a main body and several interchangeable caps, wherein the main body, being an upper semi-sphere joining with a lower semi-sphere of a larger diameter, having a top cut away to leave a circular opening for connecting with a short hollow cylinder as a capped section and a bottom cut away to form a base for standing on a surface, the first cap having a capping section, threads formed on the outer perimeter of the capped section lo and the corresponding capping section, patterns formed on outer surfaces of the first cap and the lower semi-sphere of the main body, the second cap having a long rectangular hole as the slot of a money-box, and the third cap having a semi-circular handle.

2. The sphere container according to claim 1, wherein the pattern being similar to that on a football.

3. The sphere container according to claim 1, wherein the pattern being similar to that on a basketball.

4. The sphere container according to claim 1, wherein the pattern being similar to that on a baseball.

* * * * *