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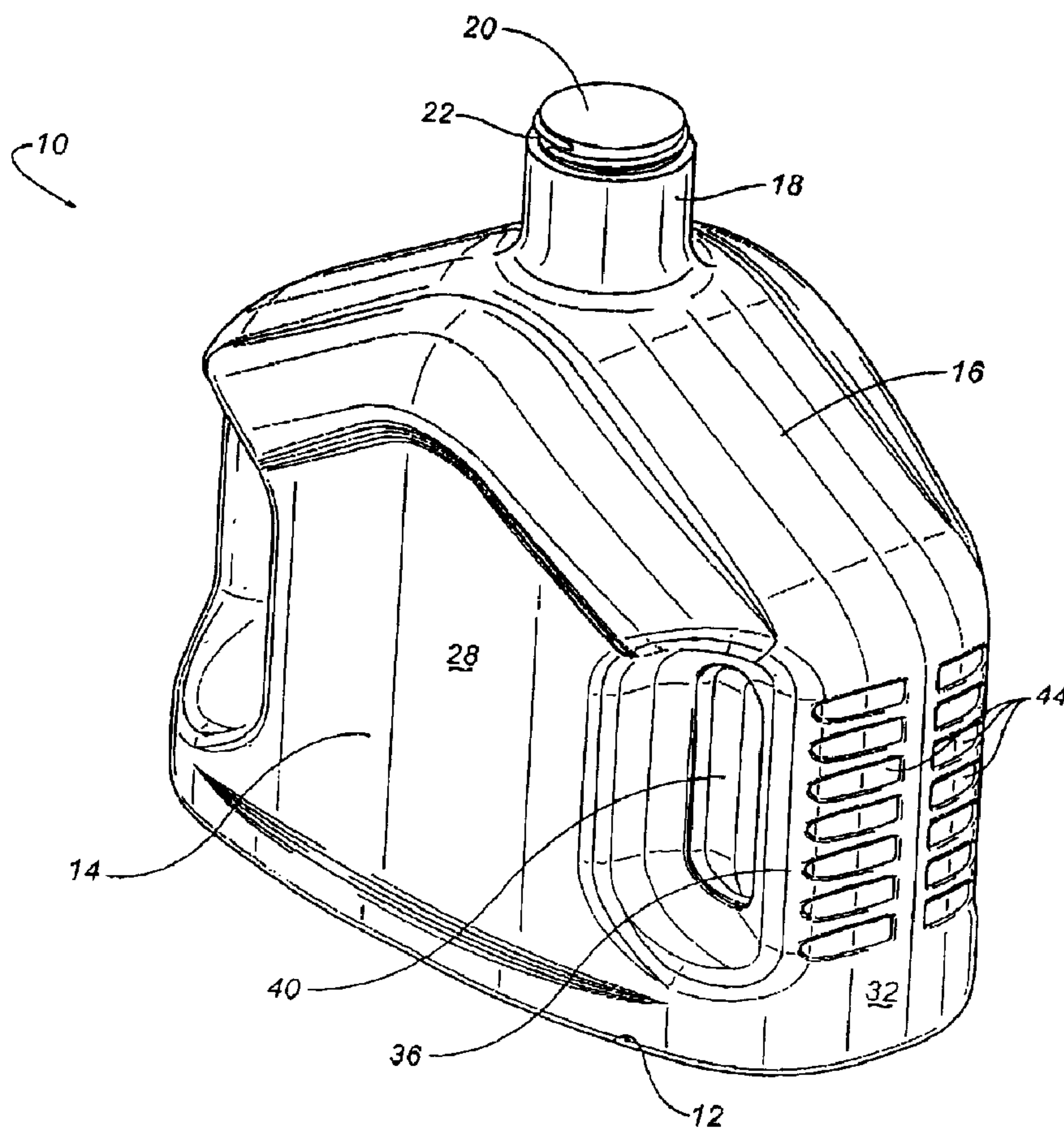
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(54) Titre : CONTENANT EN PLASTIQUE

(54) Title: PLASTIC CONTAINER



(57) **Abrégé/Abstract:**

The plastic container includes a hollow body of plastic material having a lower supporting base, a sidewall extending upwardly from the base, a shoulder extending upwardly from the sidewall, and an upper neck portion with an opening therein extending upwardly

(57) **Abrégé(suite)/Abstract(continued):**

from the shoulder. The sidewall includes two handle portions on opposed sides thereof, and the neck portion is generally centrally located, whereby, the contents of the container can be dispensed by holding either of the handle portions.

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ABSTRACT OF THE DISCLOSURE

The plastic container includes a hollow body of plastic material having a lower supporting base, a sidewall extending upwardly from the base, a shoulder extending upwardly from the sidewall, and an upper neck portion with an opening therein extending upwardly from the shoulder. The sidewall includes two handle portions on opposed sides thereof, and the neck portion is generally centrally located, whereby, the contents of the container can be dispensed by holding either of the handle portions.

PLASTIC CONTAINER

BACKGROUND OF THE INVENTION

Plastic containers are widely used commercially for a variety of products. These include plastic containers of widely varying sizes depending on the particular product and the commercial needs. Naturally, from the point of view of the consumer it is highly desirable to be able to conveniently dispense product from the container, especially for liquid products in larger size plastic containers. The plastic container should be easy to handle and use and should also be attractive for home or commercial use.

Accordingly, it is a principal object of the present invention to provide a plastic container which is easy to handle and use.

It is a further object of the present invention to provide a plastic container as aforesaid which enables the user to conveniently dispense product therefrom, especially in large size containers.

It is still a further objective of the present invention to provide a plastic container as aforesaid which has desirable commercial features and pleasing aesthetic characteristics.

It is an additional objective of the present invention to provide a plastic container as aforesaid which is easy to use, easy to handle and easy to pour from, especially in large size containers.

Further objects and advantages of the present invention will appear hereinbelow.

SUMMARY OF THE INVENTION

In accordance with the present invention the foregoing objects and advantages are readily obtained.

The plastic container of the present invention comprises:

a hollow body of plastic material having a lower supporting base, a sidewall extending upwardly from the base, a shoulder portion extending upwardly from the sidewall, and an upper neck portion with an opening therein extending upwardly from the shoulder portion;

wherein, the sidewall includes two handle portions on opposed sides thereof and the neck portion is generally centrally located above the shoulder portion, whereby the contents of the container can be dispensed by holding either of the handle portions.

The container preferably has a rectangular configuration with two longer sidewall sections which alternate with two shorter sidewall sections. The handle portions are preferably located on opposed sidewall sections.

The shoulder portion preferably extends upwardly and slopes inwardly between the sidewall and neck portion. The neck portion is a relatively larger neck portion which extends upwardly for preferably 1.5 to 3 inches in length. The sloped shoulders allows one to get closer to the receptacle and the longer neck provides clearance with most obstacles, for example, in use under the hood of an automobile. The two handle portions provide the ability to dispense from the container from either handle, or from both handles if desired. Moreover, the present container is particularly convenient in a larger size container, as a container of at least four quarts and preferably from four to eight quarts.

In accordance with another aspect of the present invention, there is provided a plastic container, which comprises: a hollow body of plastic material having a lower supporting base, a sidewall extending upwardly from the base, a shoulder extending upwardly from the sidewall, and an upper neck portion with an opening therein extending upwardly from the shoulder; wherein the sidewall includes two handle portions on opposed sides thereof, each said handle portion being substantially located in the lower one-half of the container and comprising a through opening, at least one

of the handle portions is provided on a shorter sidewall portion and includes a grip means having a plurality of outward protrusions on an outer side of the at least one of the handle portions, and the neck portion is generally centrally located above the shoulder portion, whereby the contents of the container can be dispensed by holding either of the handle portions.

Further features of the present invention will appear hereinbelow.

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BRIEF DESCRIPTION OF THE DRAWINGS

The present invention will be more readily understandable from a consideration of the following illustrative drawings, wherein:

FIGURE 1 is a perspective view of a plastic container of the present invention showing the front, top and left side thereof;

FIGURE 2 is a side elevation view thereof showing the left side;

FIGURE 3 is a side elevation view thereof showing the right side;

FIGURE 4 is a side elevation view thereof showing the front;

FIGURE 5 is a side elevation view thereof showing the rear;

FIGURE 6 is a top plan view thereof; and

FIGURE 7 is a bottom plan view thereof.

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DETAILED DESCRIPTION OF PREFERRED EMBODIMENTS

Referring to the drawings, Figures 1 – 7 show a preferred embodiment of the plastic container of the present invention. Plastic container 10 has a lower supporting base 12, a sidewall 14 extending upwardly from the base, shoulder 16 extending upwardly and inwardly from the sidewall, and an upper neck portion 18 with an opening 20 therein extending upwardly from the shoulder. The neck portion preferably includes outer threads 22 suitable for holding a screw-threaded closure (not shown), and opening 20 provides access to the hollow interior of the container for filling the container and dispensing product therefrom.

The base 12 configuration, shown in Figure 7, is not critical, and may have a recessed central portion 24 and a central strut 26 for stability.

The container of the present invention desirably has a capacity of at least four quarts, and preferably from four to eight quarts.

Preferably also the container 10 has a rectangular configuration with longer sidewall portions 28, 30 which alternate with shorter sidewall portions 32, 34. The longer sidewall portions may serve as label panels. Shorter sidewall portion 32 may be considered the front sidewall portion, shorter sidewall portion 34 may be considered the rear sidewall portion, longer sidewall portion 28 may be considered the left sidewall

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portion, and longer sidewall portion 30 may be considered the right sidewall portion.

While the embodiment shape shown in the drawings is preferred, the container may have other shapes if desired, as for example a generally square shape or a generally round shape.

The shoulder portion 16 extends upwardly from the sidewall portion 14 and slopes inwardly between the sidewall 14 and neck portion 18. The neck portion 18 is generally centrally located above the shoulder portion and extends upwardly above the shoulder portion. The neck portion 18 has a generally long and straight configuration, preferably extending upwards for from 1.5 to 3 inches. The longer neck configuration allows for clearance with most obstacles and permits convenient dispensing of the contents of the container.

The sidewall 14 includes two handle portions 36,38 on opposed sides of the container. Handle portion 36 is on the front sidewall portion 32 and is the front handle portion, and handle portion 38 is on the rear sidewall portion 34 and is the rear handle portion. Handle portions 36, 38 each include a through opening 40, 42, respectively, beneath the handle portions, which provides a convenient hand grip on opposed sides of the container. Naturally, other handle configurations may be readily employed. In addition, hand grip means 44 are preferably provided on at least one of the shorter sidewall portions adjacent the handle portion to facilitate holding, as a plurality of

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outward protrusions 44 on front sidewall portion 32 adjacent front handle portion 36. In the embodiment shown in the drawings, these are a plurality of spaced apart outward protrusions 44 along the front sidewall portion. Naturally, if desired these can be provided on both the front sidewall portion 32 as shown and the rear sidewall portion 34, and the spacing, size and number of the outward protrusions can be readily varied.

Any desirable plastic material can be used, such as for example polyethylene terephthalate.

Thus, it can be readily seen that the container of the present invention is particularly convenient to use, especially in the larger sizes. The two handles on opposed sides provides the ability to conveniently dispense product while holding by either handle. The centrally located neck portion makes this particularly easy to do. Moreover, the sloped shoulders allows the container to get closer to the product receptacle. In addition, the longer neck portion provides clearance for most obstacles in the product dispensing operation. As an additional advantageous feature, when the container is substantially inverted in a generally upside down orientation to dispense product into a receptacle, the container should be able to "stand-up" on its own with support from the receptacle while the contents empty. The longer neck portion and sloped shoulders provide support.

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It is to be understood that the invention is not limited to the illustrations described and shown herein, which are deemed to be merely illustrative of the best modes of carrying out the invention, and which are susceptible of modification of form, size, arrangement of parts and details of operation. The invention rather is intended to encompass all such modifications which are within its spirit and scope as defined by the claims.

Claims:

1. A plastic container, which comprises:

a hollow body of plastic material having a lower supporting base, a sidewall extending upwardly from the base, a shoulder extending upwardly from the sidewall, and an upper neck portion with an opening therein extending upwardly from the shoulder;

wherein the sidewall includes two handle portions on opposed sides thereof, each said handle portion being substantially located in the lower one-half of the container and comprising a through opening, at least one of the handle portions is provided on a shorter sidewall portion and includes a grip means having a plurality of outward protrusions on an outer side of the at least one of the handle portions, and the neck portion is generally centrally located above the shoulder portion, whereby the contents of the container can be dispensed by holding either of the handle portions.

2. A container according to claim 1, wherein the container has a rectangular configuration, with two longer sidewall portions which alternate with two shorter sidewall portions.

3. A container according to claim 2, wherein the handle portions are located on opposed shorter sidewall portions.

4. A container according to claim 3, wherein each handle portion includes a hand grip.

5. A container according to claim 3, wherein the shoulder extends upwardly and slopes inwardly between the sidewall and neck portion.

6. A container according to claim 3, wherein the neck portion extends upwardly for from 1.5 to 3 inches.

7. A container according to claim 3, having a capacity of at least 4 quarts.
8. A container according to claim 7, having a capacity of from 4 to 8 quarts.
9. A container according to claim 1, wherein the handle portions extend substantially along the extent of each of the shorter sidewall portions.
10. A container according to claim 1, wherein the plurality of outward protrusions on the outer side of the handle portion are spaced apart.
11. A container according to claim 1, wherein the shoulder extends continuously upwardly from the sidewall to the neck portion from each of the shorter sidewall portions and slopes inwardly between each of the shorter sidewall portions.
12. A container according to claim 11, further comprising two shoulder portions, each of which extends upwardly on an upper half of the container and at substantially the same upward angle.
13. A container according to claim 12, wherein said two shoulder portions extend upwardly and inwardly along the upper half of the container.
14. A container according to claim 1, wherein each said handle portion is located entirely in the lower one-half of the container.

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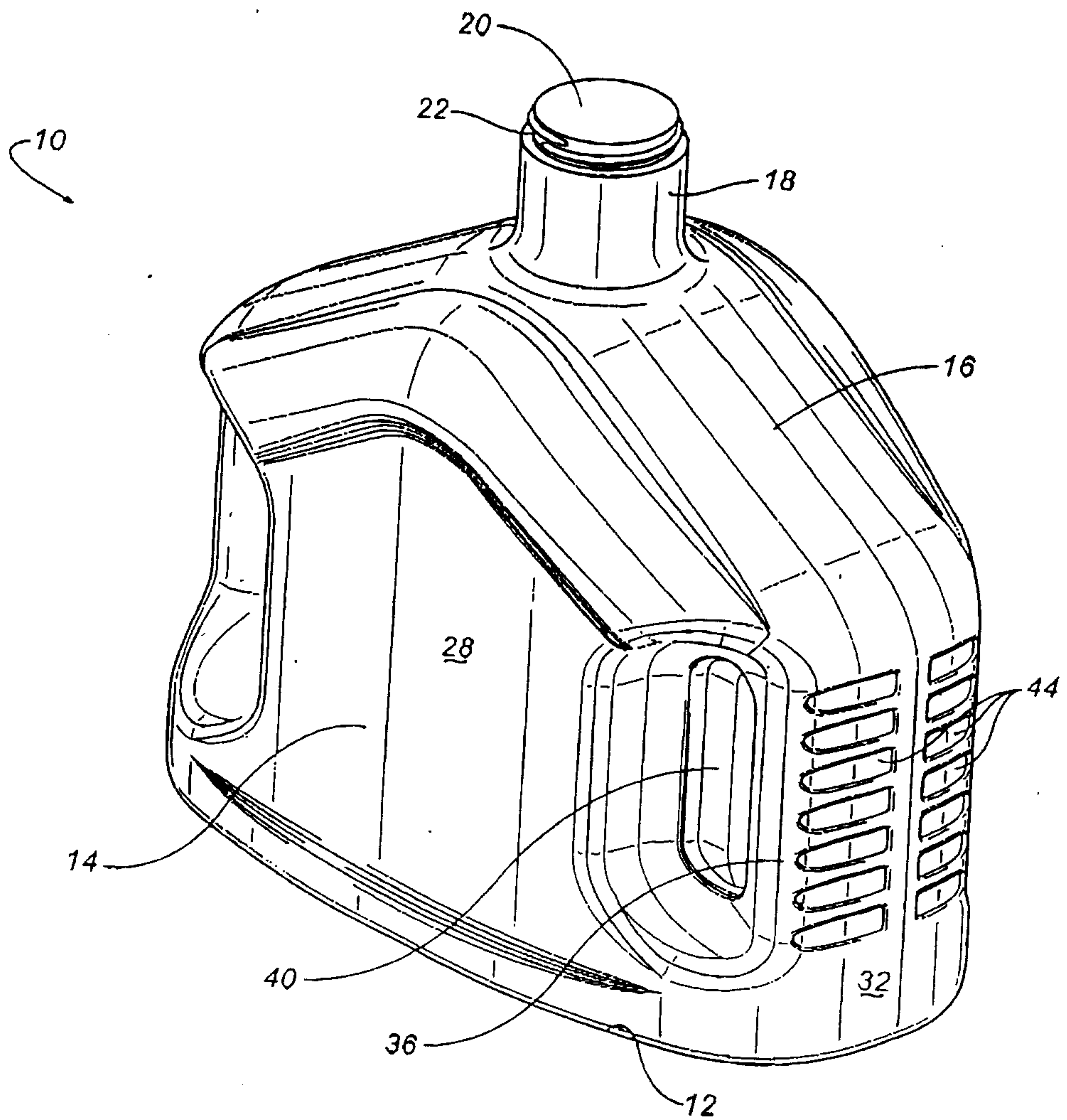


FIG. 1

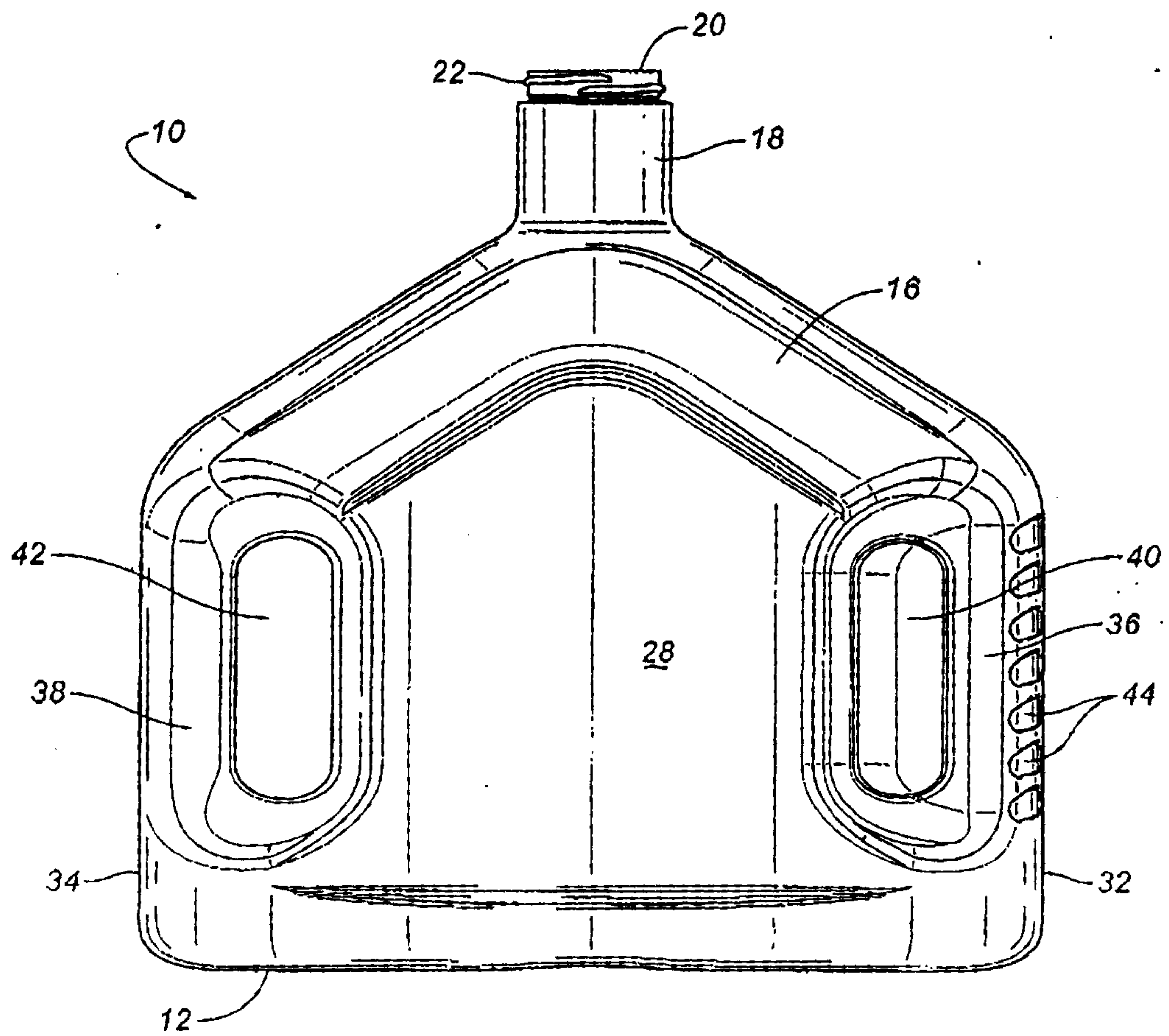


FIG. 2

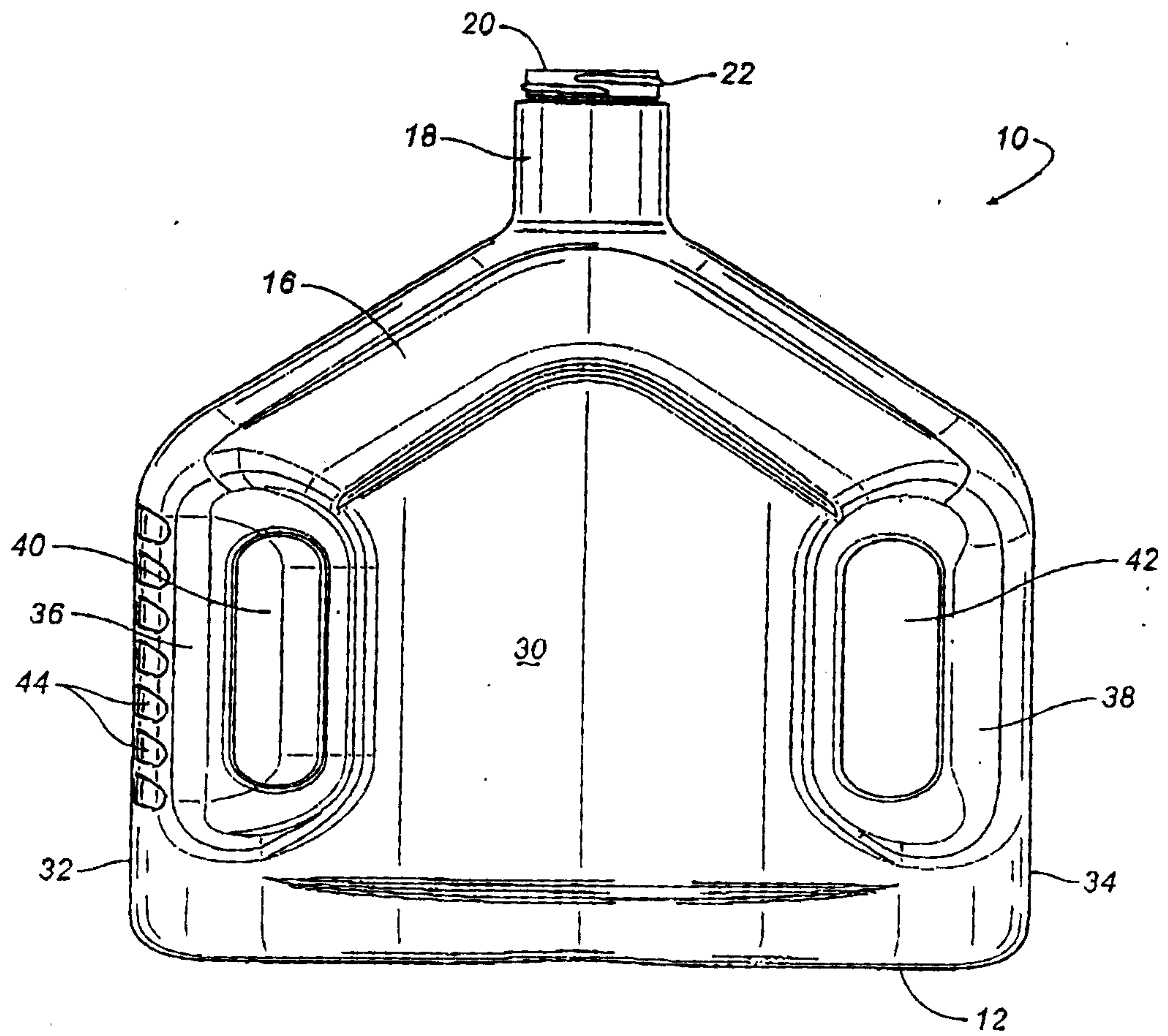


FIG. 3

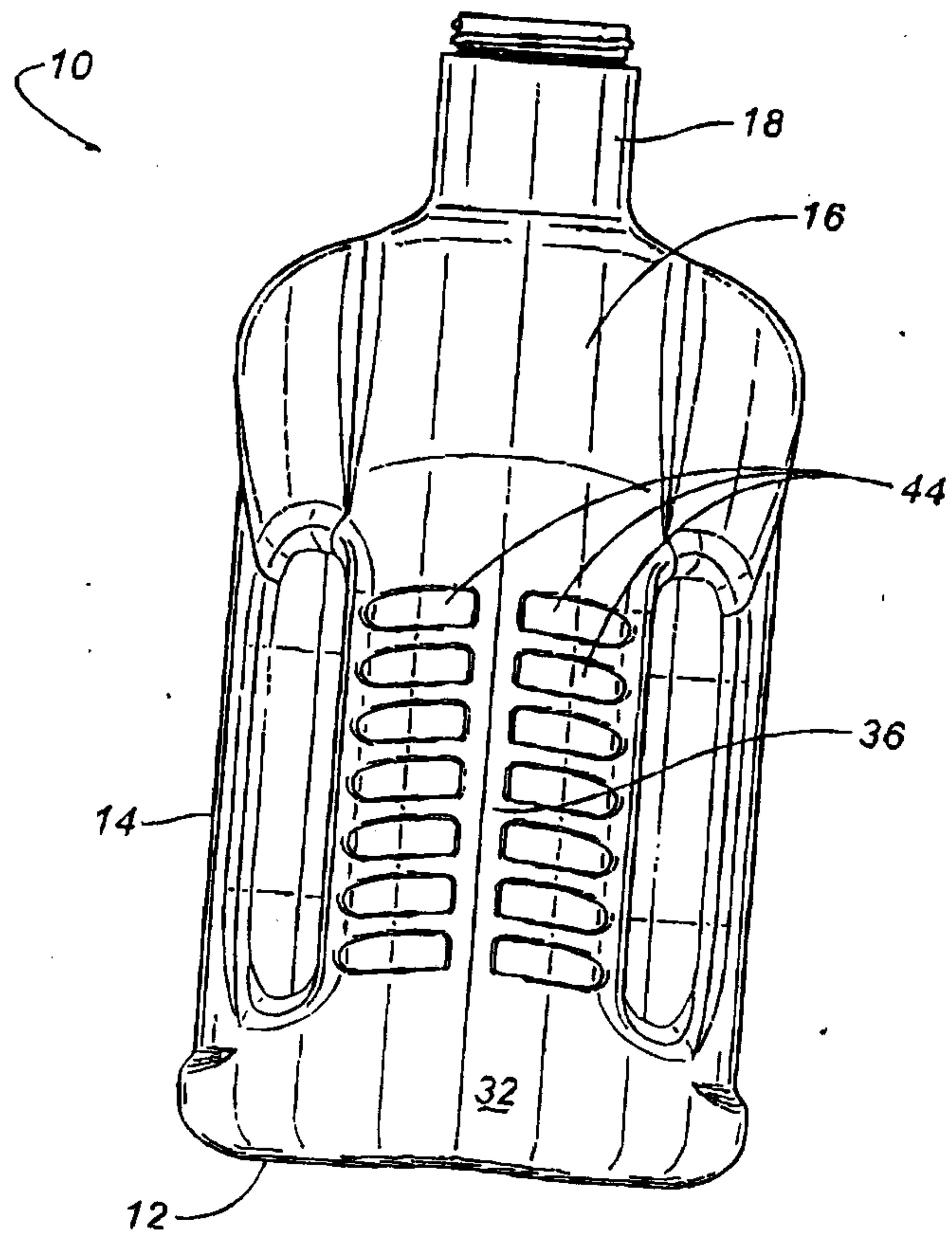


FIG. 4

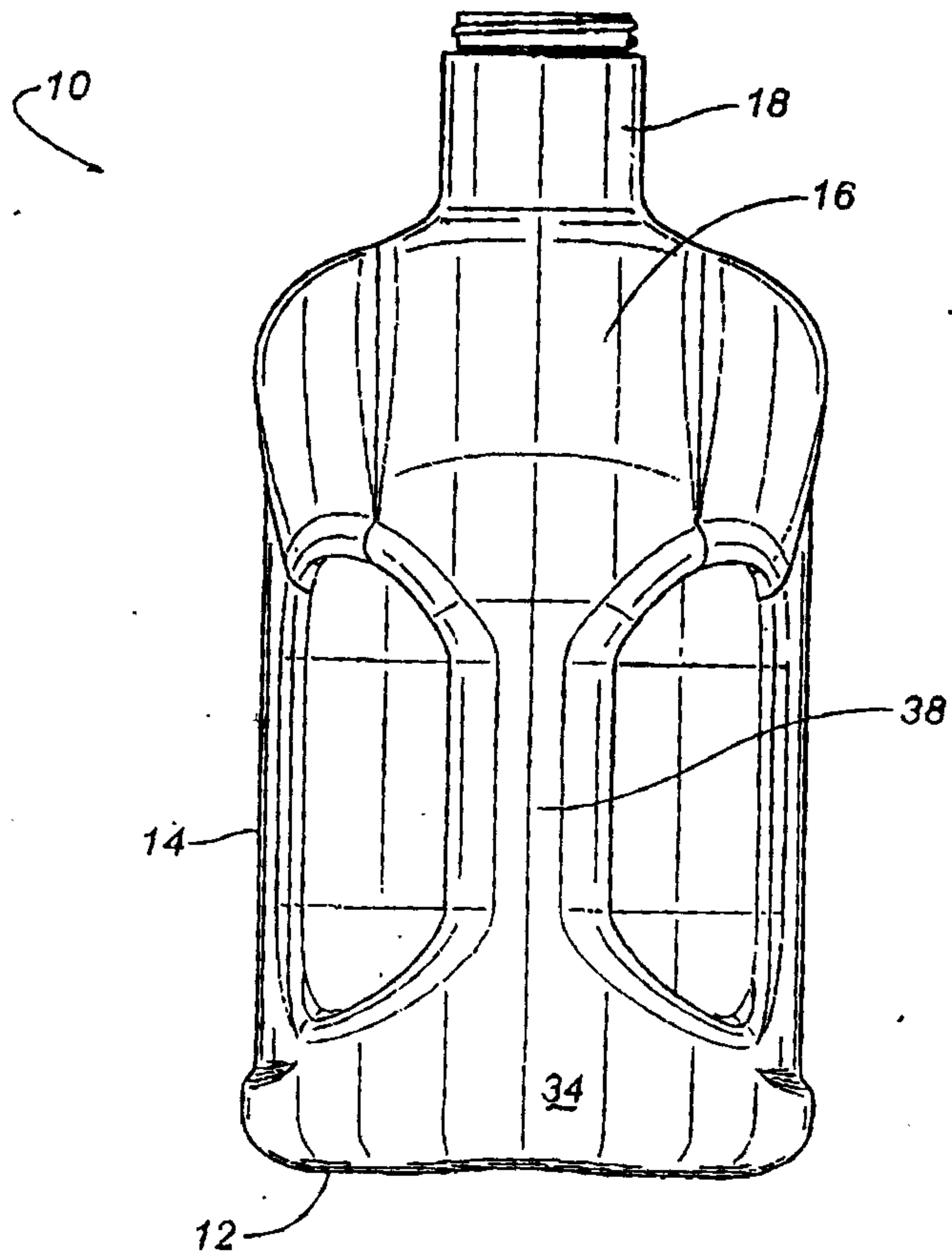


FIG. 5

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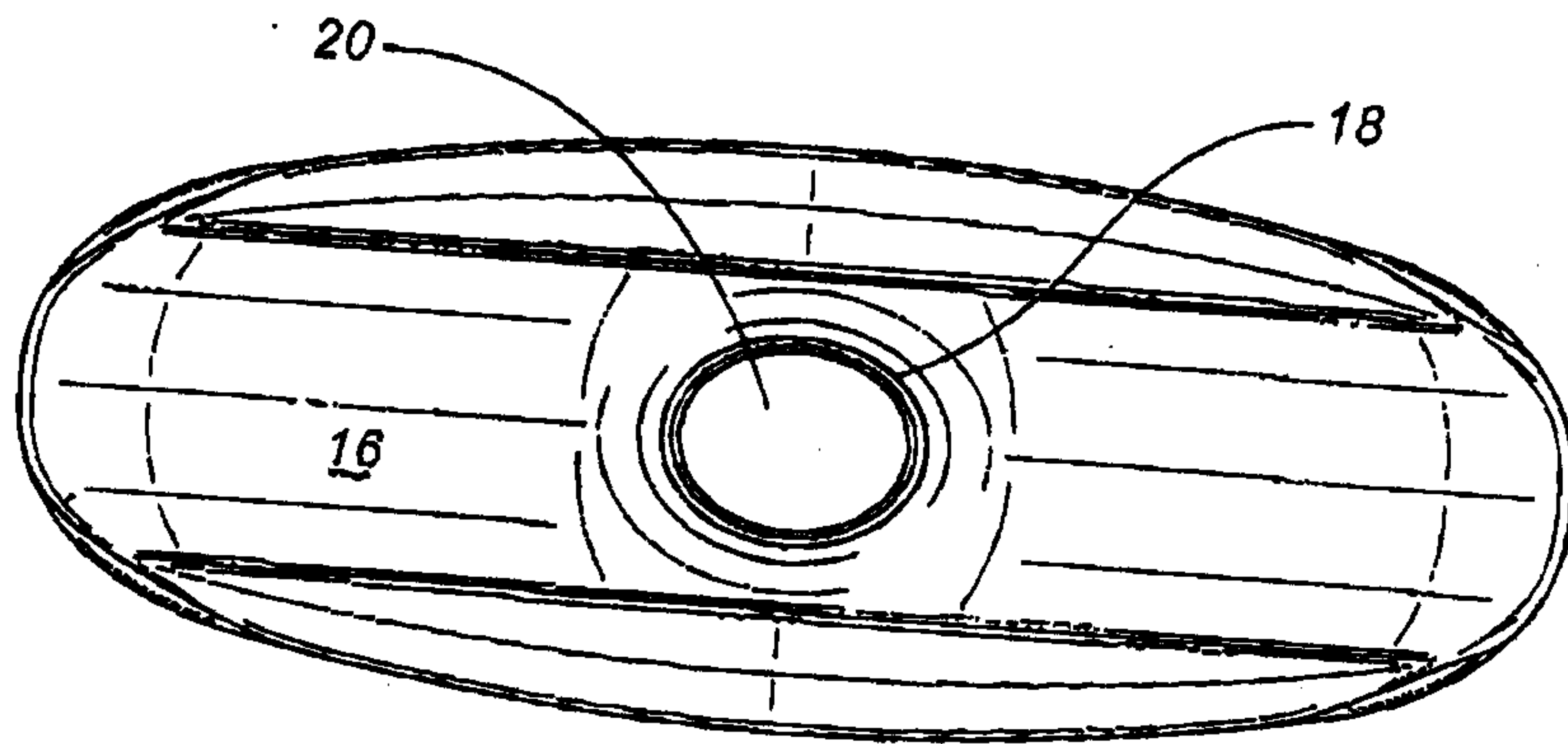


FIG. 6

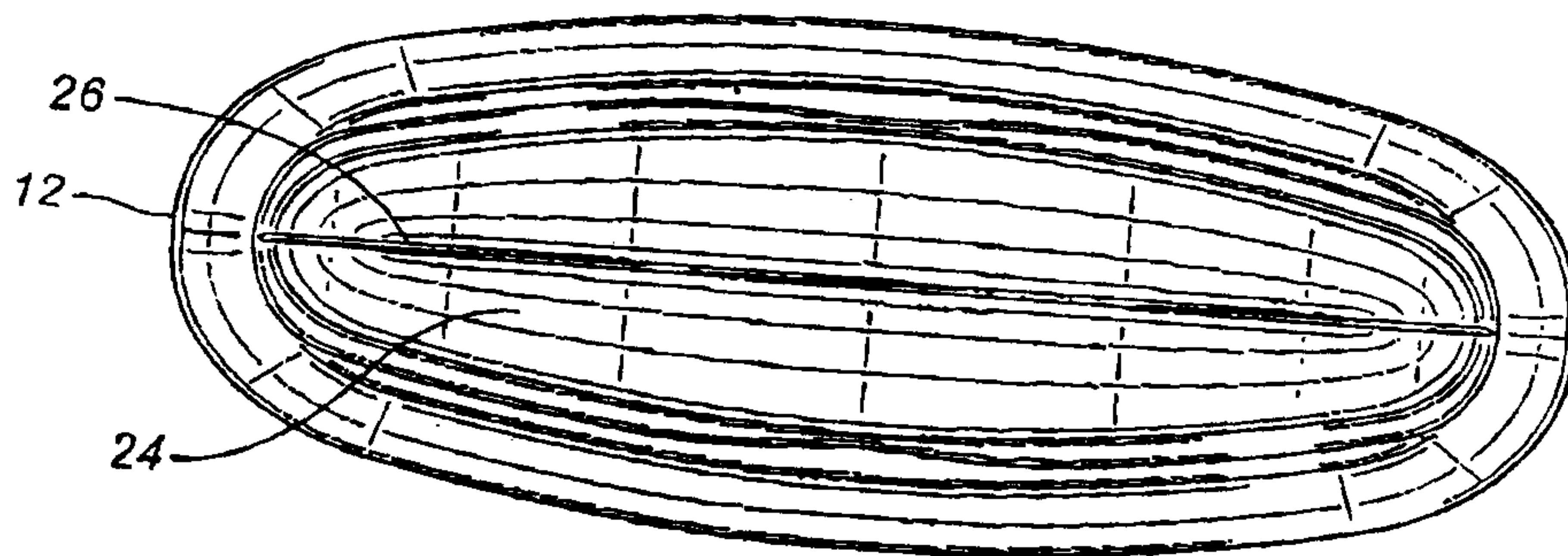


FIG. 7

