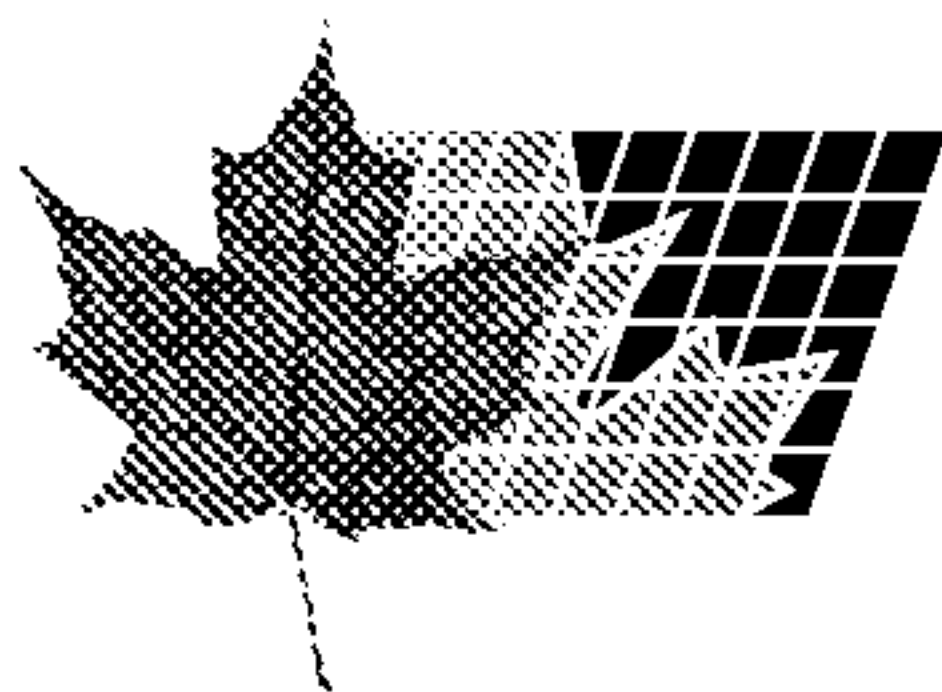




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(72) Bunch, Joseph, US

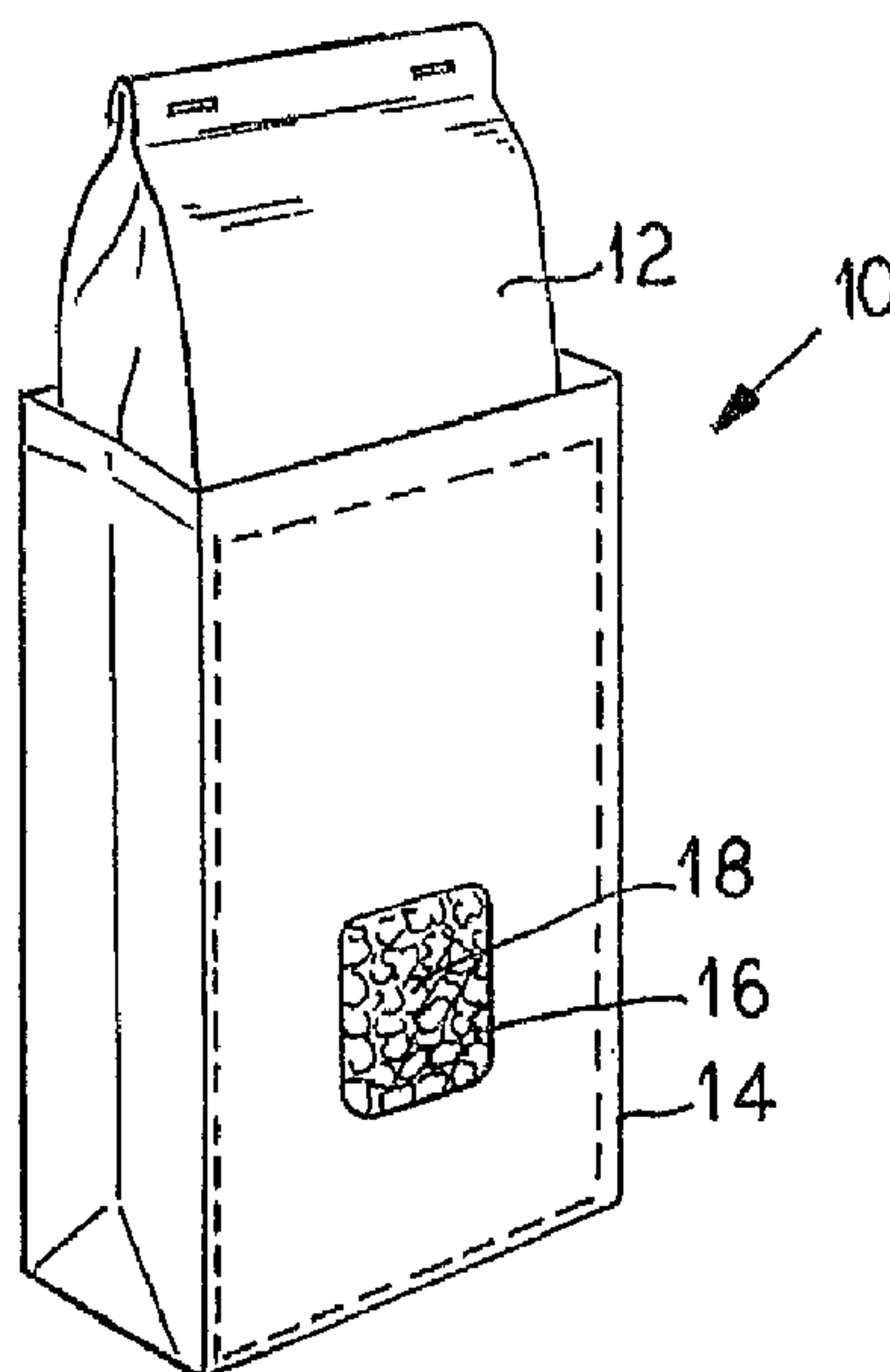
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(54) **METHODE DE FABRICATION D'UN SAC A FENETRE**

(54) **METHOD OF MAKING WINDOW BAG ASSEMBLY WITH
CONTENT INDICIA**



(57) There is disclosed herein a method for making a bag construction having an inner opaque bag for carrying contents and an outer bag into which the inner bag fits and which has a window where indicia of the contents are displayed.

ABSTRACTMETHOD OF MAKING WINDOW BAG ASSEMBLYWITH CONTENT INDICIA

5 There is disclosed herein a method for making a
bag construction having an inner opaque bag for carrying
contents and an outer bag into which the inner bag fits
and which has a window where indicia of the contents are
displayed.

METHOD OF MAKING WINDOW BAG ASSEMBLY
WITH CONTENT INDICIA

DESCRIPTION

5 This invention relates to bags for carrying
prepackaged items, and in particular, a method for the
manufacture of window-style bags which carry prepackaged
items in an opaque inner bag.

Bags for carrying goods are known in the art,
particularly the so-called window bags. Such a bag
10 includes front, back, side and bottom panels and includes
a window aperture in one of the panels. A transparent
sheet is sealed to the inside of the bag and underlays
the window aperture so that a consumer or viewer can look
through the window and see the contents of the bag. How-
15 ever it has been found that in some situations, such as
with popcorn, to enhance freshness it is desirable to
place the contents in an opaque or light-tight bag and
then place that bag into a carrying bag. In such a
situation the viewer cannot see the actual contents of
20 the bag.

It is thus an object of this invention to provide
a method for manufacturing a window-style bag which can
carry an opaque inner bag, indicate the contents of the
inner bag and enhance the contents.

25 Moreover, it has been found that an inner bag can
be placed in a regular non-window bag, but it would then
be necessary to print or inventory multiple bags in
different sizes for different contents.

It is another object of this invention to minimize
30 manufacturing and inventory costs.

These and other objects of this invention will
become apparent from the following disclosure and

appended claims.

There is provided by this invention a method for manufacturing window-style bag for use with an opaque inner bag. Moreover, this method can decrease the costs of manufacture and inventory.

The method includes preparing an inner bag which is opaque and includes the desired contents. Then printing an indicia layer which graphically indicates or replicates the contents of the inner bag. Next, an outer bag with a window is selected and then an indicia layer is applied to the inside surface of the outer bag in such a way as to underlay the window whereby at least a portion of the contents-indicating indicia appears in the window. Then the inner bag is positioned within the outer bag. In this way the consumer can see a replica of the contents of the inner bag and the freshness of the contents can be enhanced.

The method has reduced the number of individual bags needed in inventory since by the combination of printed indicia layers and outer bags can reduce the number of bags that may have been required in order to manufacture a suitable container for the inner bag.

FIGURE 1 is a schematic perspective and exploded view of a bag to be made according to the method of this invention;

FIGURE 2 is a flow chart in block form indicating the method of the invention; and

FIGURE 3 is a schematic view of a method of printing a layer for use in this invention.

ON THE DRAWINGS

Referring to Fig. 1, there is shown schematically a bag assembly of this system. The bag assembly 10

includes an inner opaque bag 12 which can carry items such as popcorn, etc. The assembly also includes a panelled outer bag 14 which has a window aperture 16. An indicia layer 18 is secured to the inside of the bag and underlays the window aperture and carries printed graphic indicia that corresponds to the contents of the bag 12. The indicia layer is applied to the interior of the bag so as to cover the window 16.

Thus the viewer can look at the window 16, see a graphic depiction of the contents of the bag assembly, and purchase the same on that basis. The bag 12 by being opaque and sealed carries the contents and can enhance freshness.

Referring to Fig. 2, the method of this invention is shown in block form. In that form the steps are indicated within the various blocks.

Referring to the diagram of Fig. 2, the first step 20 is to prepare the inner bag, which bag is normally opaque (such as in a metallized bag), and filled with an item such as white kernel popcorn. The second step 22 which may be simultaneous or thereafter is to print indicia of white kernel popcorn on a layer to be applied to the outer bag. This indicia can be printed or photographed on a polyethylene sheet so as to replicate the contents of the inner bag.

In the next step 24, an appropriate outer bag with a window is selected. That bag can be selected based on a number of factors including size, shape, etc., but one common feature is that all of these bags have a window through which the indicia can be seen as discussed hereinafter.

In following step 26, the layer of printed indicia

is applied to the interior of the outer bag in a way so as to underlay the window. The internal layer may be adhered by a solid or patterned glue face so that the layer adheres directly to the inside of the outer bag.

5 Finally, as indicated in step 28, the inner bag is positioned within the outer bag which has the layer. A consumer thus can look at the outer bag, see the replica or indicia of what is in the inner bag while the freshness of the contents may be enhanced.

10 An advantage to this system is that in existing systems the outer bags can be used by printing indicia on the bag, but this increases the number of bags in inventory and costs. While the method of this invention avoids the need to print separate bags with the indicia
15 and thus indicate that bag to that product. In other words the inventory and supply problems can be less since fewer items need to be prepared in order to make the combination selected.

 One way of manufacturing the indicia layer is
20 shown in Fig. 3. There the indicia is printed by rolls 30 and 32 with one web 34 divided into four sections. The web is slit by knives such as 36 into sections so as to define separate sections. Thereafter the sections can be cut to length to provide the various layers. In the
25 drawing one section may be for white popcorn indicated by "W", another for yellow popcorn indicated by "Y", another for lightly colored caramelized popcorn indicated by "LC", and the other for heavily caramelized popcorn indicated by "HC".

30 Although the invention has been described with respect to preferred embodiments, it is not to be so limited as changes and modifications can be made which

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are within the full intended scope of the invention as defined by the appended claims.

The embodiments of the invention in which an exclusive property or privilege is claimed are defined as follows:

1. A process for selectively manufacturing a bag
5 assembly which includes a content-carrying opaque inner bag, an outer bag within which the inner bag can be placed, said outer bag defining a window aperture, and a layer applied to an inner surface of an outer bag so as to underlay the aperture which layer is printed with
10 graphic indicia of the contents of the inner bag, said method comprising the steps of:

selecting the inner bag and contents to be
employed in the assembly;

printing on an inner layer graphic indicia to
15 which corresponds to the contents of the inner bag;

selecting an outer bag to be used in the
assembly which defines a window aperture; and
applying the contents-indicia printed layer to the
20 outer bag so as to underlay the aperture and so that at least a portion thereof is exposed in the aperture,

so as to indicate the contents of the bag assembly so that a viewer can see a depiction of the contents and the
25 freshness of the contents enhanced.

2. A process as in claim 1, wherein said inner bag is positioned within the outer bag.

3. A process as in claim 1, wherein the inner bag is optically opaque and its contents are popcorn and
30 the indicia on the layer represents popcorn.

4. A process as in claim 1, which further includes printing a plurality of indicia on a single web and thereafter slitting the web to define the desired indicia layer.

Smart & Biggar
Ottawa, Canada
Patent Agents

FIG. 1

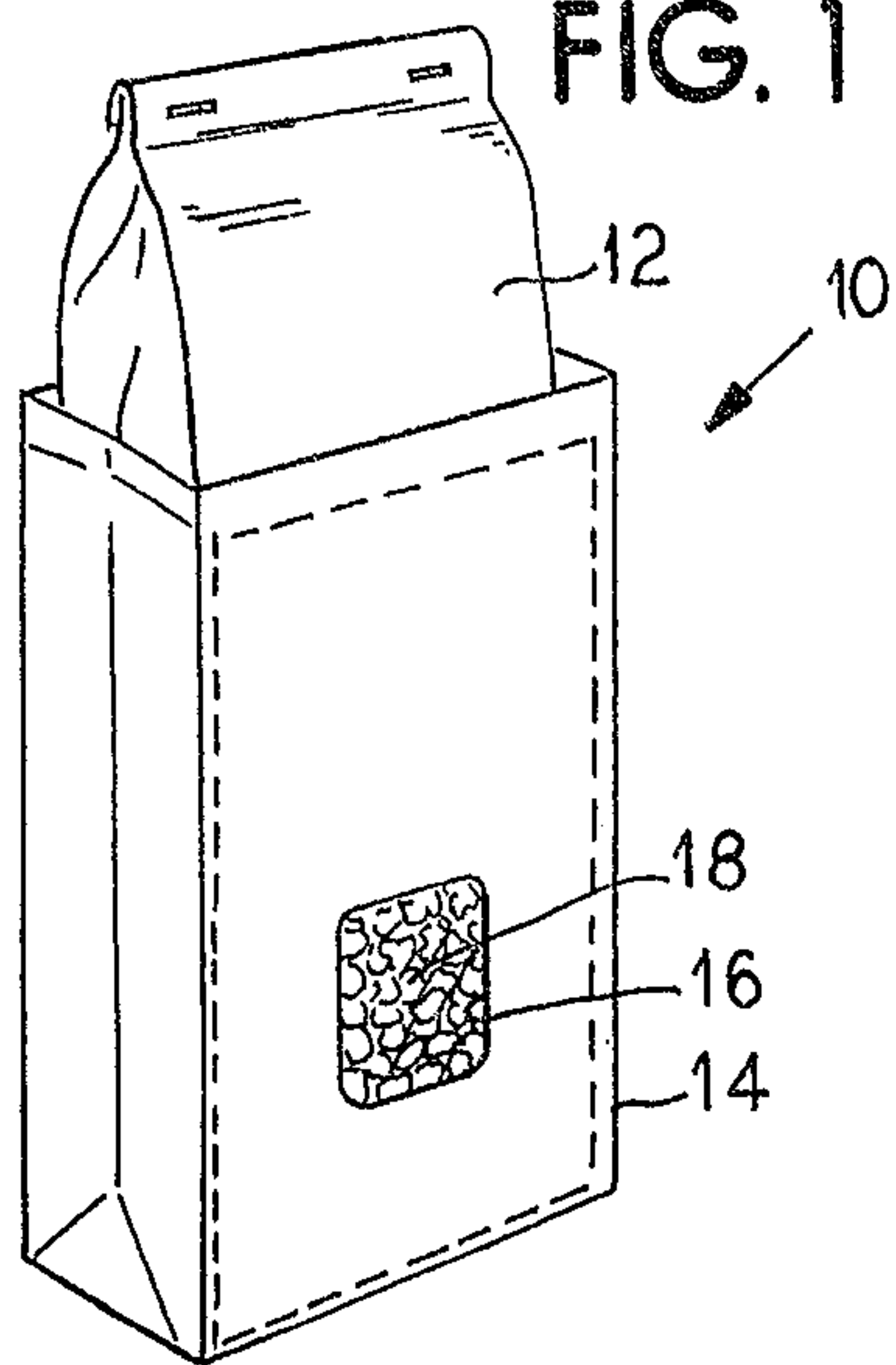


FIG. 2

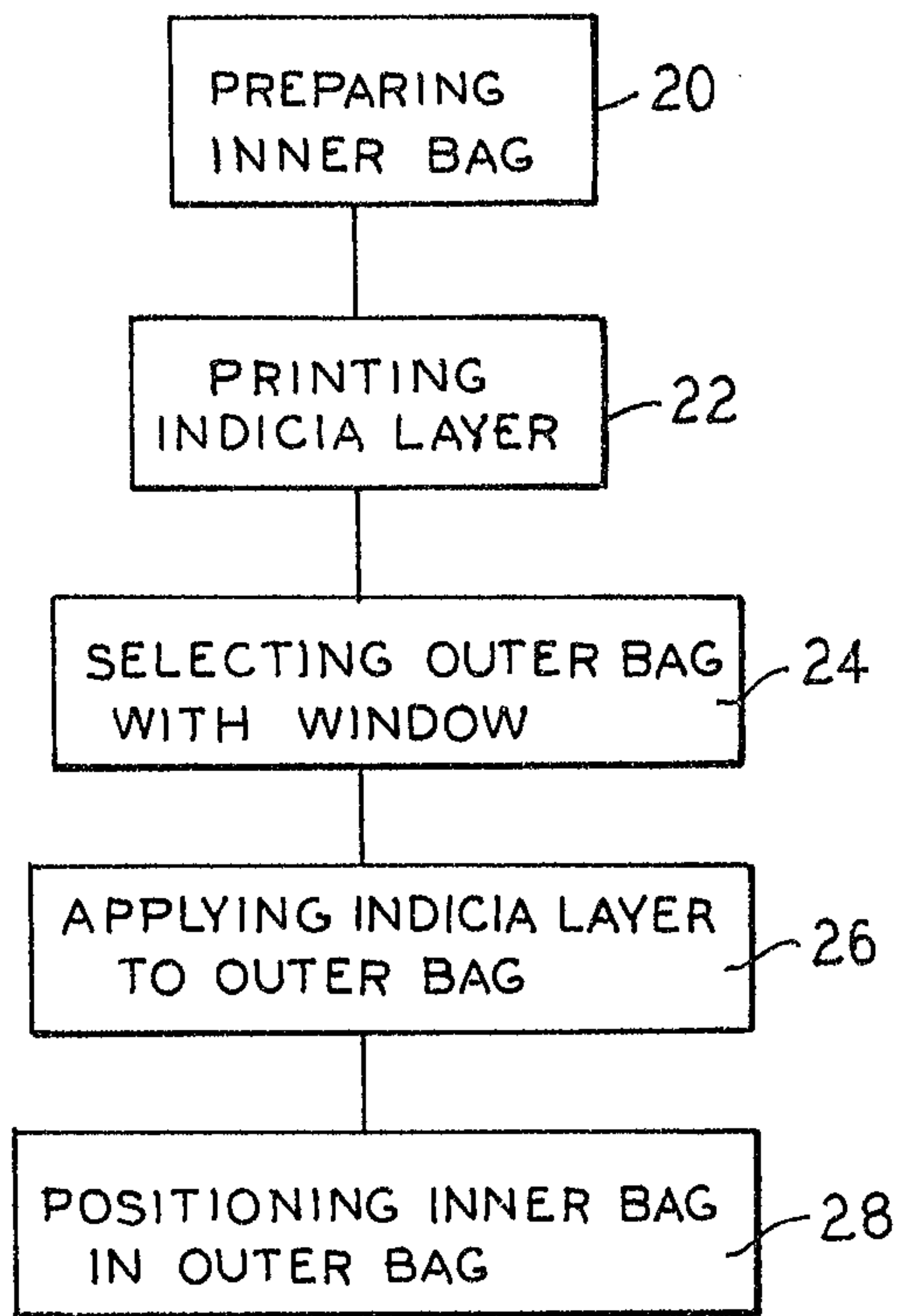
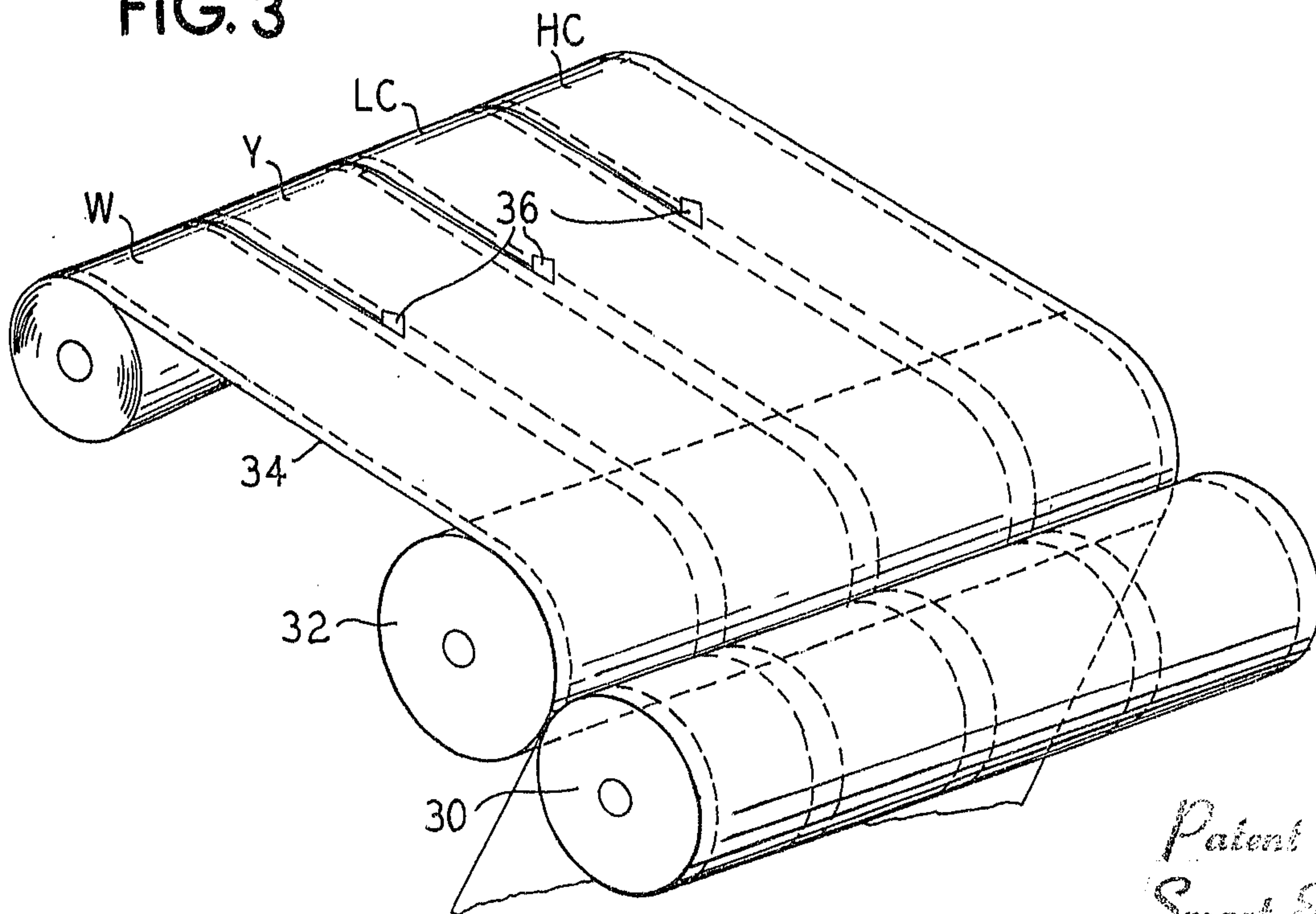


FIG. 3



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