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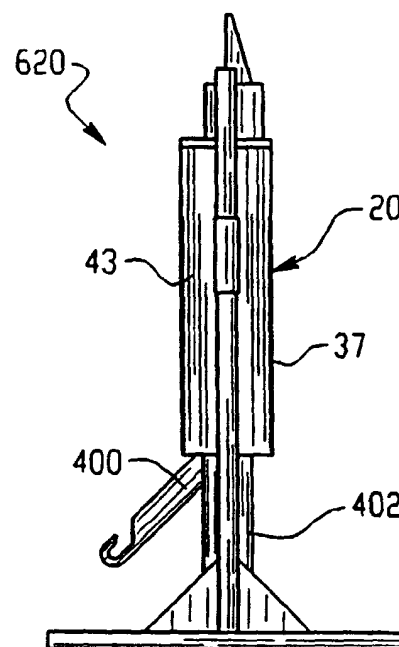
(30) Priority: **30.06.1997 US 51355 P**

(71) Applicant: **Ranpak Corp.**  
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(54) **Cushioning conversion machine/method and packaging system**

(57) A cushioning conversion machine/method characterized by a stock roll support assembly and/or a stock supply assembly which accommodates a variety of orientations of the machine. The stock roll support assembly may be positioned in a plurality of orientations and includes a stock roll support bracket having a slot forming a stock roll rod cradle which is compatible with the plurality of orientations. The stock supply assembly includes a constant entry bar may be mounted in a plurality of positions.

A cushioning conversion packaging system characterized by mounting components which provide a high degree of fine-tuning ability and/or 90° pivot brake points. Additionally or alternatively, the packaging system is characterized by certain mounting components being located with the interior cavity defined by the machine's housing whereby these components could, for the sake of manufacturing ease and consistency, be included all on cushioning conversion machines, regardless of whether they will be incorporated into a packaging system.



*Fig. 8A*

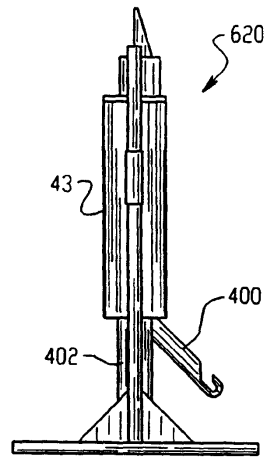


Fig. 8B

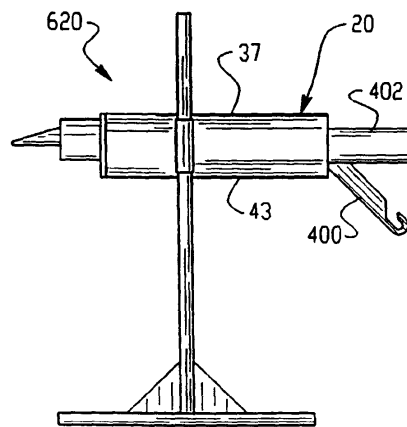


Fig. 8C

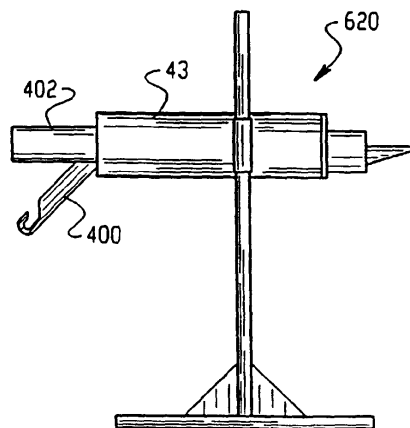


Fig. 8D



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# EUROPEAN SEARCH REPORT

Application Number  
EP 98 30 5105

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
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<p><del>The present search report has been drawn up for all claims</del></p>			<p>TECHNICAL FIELDS SEARCHED (Int.Cl.6)</p> <p>B31D</p>
Place of search		Date of completion of the search	Examiner
THE HAGUE		24 September 1998	ROBERTS, P
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>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</p> <p>&amp; : member of the same patent family, corresponding document</p>			

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### CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing more than ten claims.

☐ Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid, namely claim(s):

☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.

### LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet B

☐ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.

☐ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:

☒ None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:

1-5, 10, 11, 17



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**LACK OF UNITY OF INVENTION**  
**SHEET B**

Application Number  
EP 98 30 5105

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. Claims: 1-5,10,11,17

Cushioning conversion machine with a stock roll support assembly which can be mounted at different positions.

2. Claims: 6-9,18

Cushioning conversion machine with a cradle to mount a stock roll

3. Claims: 12-16,19-21

Cushioning conversion machine which is pivotable on a mounting stand

**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

EP 98 30 5105

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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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

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