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B 67 B 3/062

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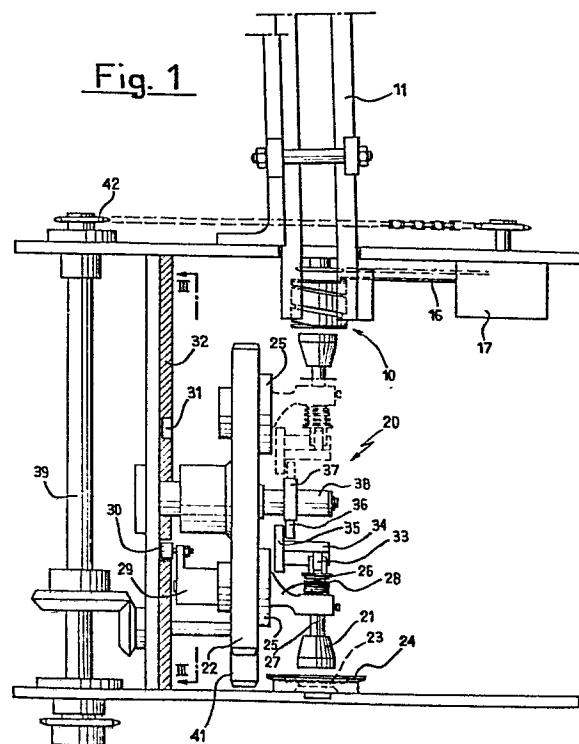
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(84) Designated Contracting States:  
AT BE DE FR

(54) Improvements to automatic machines feeding small wire cages for sealing stoppers applied to sparkling wine bottles and the like.

(57) The machine comprises a unit (10) for extracting cages from a stacked supply including two volute rollers (12,13) which engage the bottom ring of each cage to cause an axial displacement of the latter and means of transferring the extracted cages to sockets (23) in a conveyor chain (24), comprising a plurality of buckets (21) subjected to controlled motion components which halt each bucket (21) temporarily at the extraction unit (10) to receive the cage and displace the bucket (21) in perpendicular alignment with each socket (23) in the chain (24), the buckets (21) being then subjected to the action of means (27, 33, 34, 35, 36, 37) which produce axial displacement serving for picking up and respectively depositing the cages.





European Patent  
Office

EUROPEAN SEARCH REPORT

0036585

Application number

EP 81 10 1870

DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int. Cl.)						
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim							
X	<p>FR - A - 2 256 897 (CLISALU)</p> <p>* Page 12, line 25 - page 16, line 16; figures 1,14-22,33-35 *</p> <p>&amp; US - A - 3 837 141</p> <p>---</p> <p>FR - A - 1 548 315 (SICK)</p> <p>* In its entirety *</p> <p>---</p> <p>US - A - 2 659 522 (OWENS)</p> <p>* Column 2, line 29 - column 4, line 34; figures 1-5 *</p> <p>-----</p>	1,6-8	B 67 B 5/06 3/062						
		1,2,6, 8	TECHNICAL FIELDS SEARCHED (Int. Cl.)						
		1,5	B 67 B						
			CATEGORY OF CITED DOCUMENTS						
			<p>X: particularly relevant</p> <p>A: technological background</p> <p>O: non-written disclosure</p> <p>P: intermediate document</p> <p>T: theory or principle underlying the invention</p> <p>E: conflicting application</p> <p>D: document cited in the application</p> <p>L: citation for other reasons</p>						
			<p>&amp;: member of the same patent family, corresponding document</p>						
<p>The present search report has been drawn up for all claims</p> <table border="1"> <tr> <td>Place of search</td> <td>Date of completion of the search</td> <td>Examiner</td> </tr> <tr> <td>The Hague</td> <td>27-06-1981</td> <td>VROMMAN</td> </tr> </table>				Place of search	Date of completion of the search	Examiner	The Hague	27-06-1981	VROMMAN
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The Hague	27-06-1981	VROMMAN							



### CLAIMS INCURRING FEES

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

- All claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for all claims.
- Only part of the claims fees 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 claims:
- 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.

### X LACK OF UNITY OF INVENTION

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

- 1) Claims 1,2,5-9
- 2) Claims 1,3,4: extraction unit.

- 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 has 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: 1,2,5-9.