

(19)



Europäisches Patentamt  
European Patent Office  
Office européen des brevets



(11) Publication number:

**0 390 366 A3**

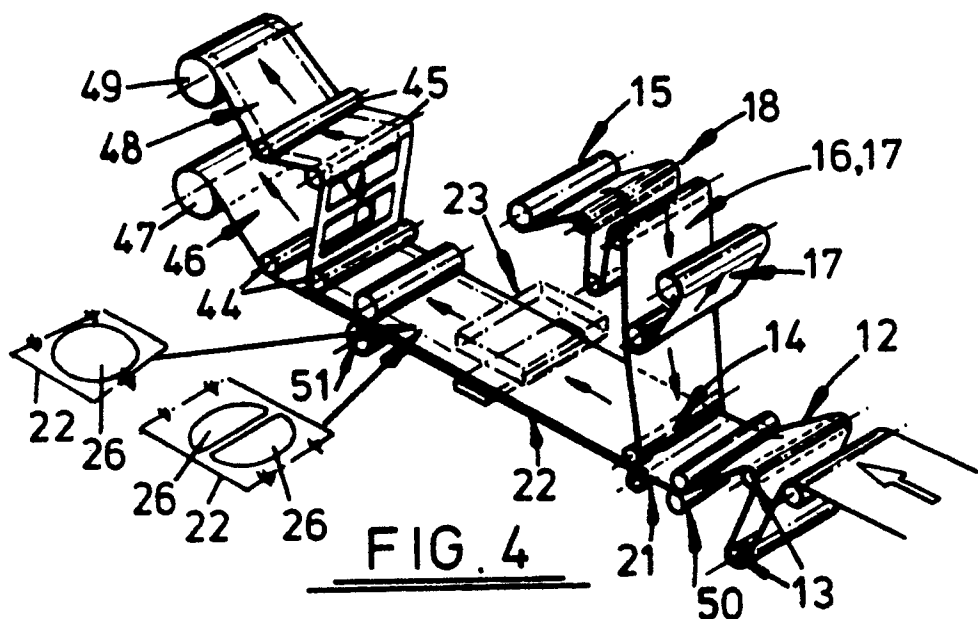
(12)

**EUROPEAN PATENT APPLICATION**(21) Application number: **90302730.8**(51) Int. Cl.<sup>5</sup>: **B31D 1/02**(22) Date of filing: **14.03.90**(30) Priority: **17.03.89 GB 8906136**(43) Date of publication of application:  
**03.10.90 Bulletin 90/40**(84) Designated Contracting States:  
**DE ES FR GB IT NL**(88) Date of deferred publication of the search report:  
**09.01.91 Bulletin 91/02**(71) Applicant: **MARKEM SYSTEMS LIMITED**  
**Ladywell Trading Estate Eccles New Road**  
**Salford M5 2DA Lancashire(GB)**(72) Inventor: **Spencer, Robin**  
**8 Alum Crescent, Sunnybank**  
**Bury, Lancashire BL9 8EA(GB)**(74) Representative: **Massey, Alexander et al**  
**MARKS & CLERK Suite 301 Sunlight House**  
**Quay Streeteet**  
**Manchester, M3 3JY(GB)**(54) **Label producing machine.**

(57) In a machine for producing labels, a cutting station comprising a vertically-movable cutting rule or die disposed above, and adapted to cooperate with, a label stock/backing strip support means constituted by a horizontally-extending curved or arcuate element rotatable about a vertical axis. The arrangement is such that the label stock/backing

strip is supported, during the cutting of the label stock, by the rotatable support element which, through the intermediary of the label stock/backing strip, makes continually-changing opposed point contact with the cutting rule or die.

Substantially less energy is required for cutting compared with existing label producing machines.

**EP 0 390 366 A3**



European  
Patent Office

## EUROPEAN SEARCH REPORT

Application Number

EP 90 30 2730

| DOCUMENTS CONSIDERED TO BE RELEVANT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                               |                              |                                               |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|------------------------------|-----------------------------------------------|
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Citation of document with indication, where appropriate, of relevant passages | Relevant to claim            | CLASSIFICATION OF THE APPLICATION (Int. Cl.5) |
| X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | EP-A-0 182 568 (PCL PACKAGING)<br>* Abstract; figures *<br>- - -              | 1-14                         | B 31 D 1/02                                   |
| A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | FR-A-1 354 209 (PROXIMA)<br>- - -                                             |                              |                                               |
| A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | GB-A-6 771 00 (DUNLOP)<br>- - -                                               |                              |                                               |
| A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | GB-A-2 161 735 (FMC)<br>- - -                                                 |                              |                                               |
| A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | SU-A-5 859 23 (AS UKR)<br>- - -                                               |                              |                                               |
| A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | US-A-4 246 058 (REED)<br>- - - - -                                            |                              |                                               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                               |                              | TECHNICAL FIELDS<br>SEARCHED (Int. Cl.5)      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                               |                              | B 31 B<br>B 26 F<br>B 26 D                    |
| The present search report has been drawn up for all claims                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                               |                              |                                               |
| Place of search                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                               | Date of completion of search | Examiner                                      |
| The Hague                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                               | 07 November 90               | PEETERS S.                                    |
| <div>CATEGORY OF CITED DOCUMENTS</div> <div>X: particularly relevant if taken alone<br/>Y: particularly relevant if combined with another document of the same category<br/>A: technological background<br/>O: non-written disclosure<br/>P: intermediate document<br/>T: theory or principle underlying the invention</div> <div>E: earlier patent document, but published on, or after the filing date<br/>D: document cited in the application<br/>L: document cited for other reasons<br/>.....<br/>&amp;: member of the same patent family, corresponding document</div> |                                                                               |                              |                                               |