



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:  
**22.08.2001 Bulletin 2001/34**

(51) Int Cl.7: **A63H 33/04, A63H 33/16**

(43) Date of publication A2:  
**23.06.1999 Bulletin 1999/25**

(21) Application number: **98310314.4**

(22) Date of filing: **16.12.1998**

(84) Designated Contracting States:  
**AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU**  
**MC NL PT SE**  
 Designated Extension States:  
**AL LT LV MK RO SI**

(72) Inventor: **Burnett, Hugh Thomas**  
**Hove, East Sussex (GB)**

(74) Representative: **Tothill, John Paul**  
**Frank B. Dehn & Co.**  
**179 Queen Victoria Street**  
**London EC4V 4EL (GB)**

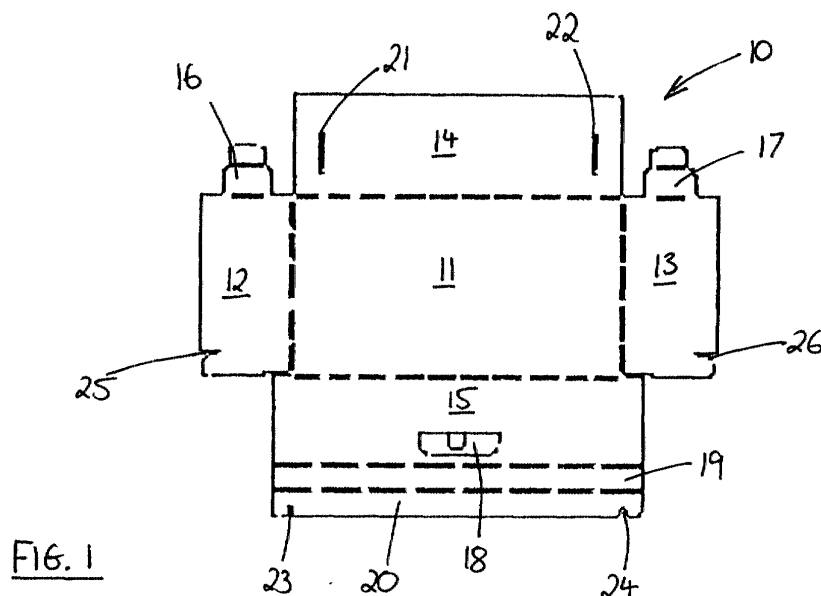
(30) Priority: **16.12.1997 GB 9726577**

(71) Applicant: **CASH BASES GB LIMITED**  
**Newhaven, East Sussex BN9 0EH (GB)**

(54) **Construction toy**

(57) A construction toy is disclosed which comprises a substantially planar, integral blank (10) having a number of panels (11,12,13,14,15). Each panel is connected to an adjacent panel by a line of weakness which allows the panel to be moved relative to the adjacent panel through plastic deformation of the blank along the line of weakness. In this way, a predetermined three-dimensional article can be constructed from the blank, the article retaining its shape once constructed. The

blank may include rigidity-enhancing features, such as tabs (16,17) which engage in slots (21,22), or such as slots (23,24) on free edges of one or more panels which engage in corresponding slots (25,26) on one or more other panels in the constructed article. A construction toy kit is also disclosed, which comprises two or more blanks as described above, the articles formed from these blanks being combinable to form a further three-dimensional article.



**Fig. 1**



European Patent  
Office

# EUROPEAN SEARCH REPORT

Application Number  
EP 98 31 0314

| 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.6) |
| X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | US 3 368 316 A (CROWDER WILLIAM E)<br>13 February 1968 (1968-02-13)<br>* column 3, line 24 - line 70 *<br>* column 4, line 56 - line 68; figures 2-5 * | 1-6,9-12                                                | A63H33/04<br>A63H33/16                       |
| X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | US 5 662 508 A (SMITH MARK ANDREW)<br>2 September 1997 (1997-09-02)<br>* column 2, line 18 - line 64; figures *                                        | 1-3,6,<br>9-12                                          |                                              |
| X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | US 3 581 431 A (TRENOVAN JOHN R)<br>1 June 1971 (1971-06-01)<br>* column 2, line 1 - line 11; figure 1 *                                               | 1,7                                                     |                                              |
| X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | US 4 517 251 A (MOSELY JEANNINE)<br>14 May 1985 (1985-05-14)<br>* abstract *                                                                           | 1,8                                                     |                                              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                        |                                                         | TECHNICAL FIELDS<br>SEARCHED (Int.Cl.6)      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                        |                                                         | A63H                                         |
| The present search report has been drawn up for all claims                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                        |                                                         |                                              |
| Place of search<br><b>MUNICH</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                        | Date of completion of the search<br><b>21 June 2001</b> | Examiner<br><b>Lucas, P</b>                  |
| <p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>T : theory or principle underlying the invention<br/>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/>&amp; : member of the same patent family, corresponding document</p> |                                                                                                                                                        |                                                         |                                              |

EPO FORM 1503 03.82 (P04C01)

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

EP 98 31 0314

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  
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

21-06-2001

| Patent document<br>cited in search report |   | Publication<br>date | Patent family<br>member(s) | Publication<br>date |
|-------------------------------------------|---|---------------------|----------------------------|---------------------|
| US 3368316                                | A | 13-02-1968          | NONE                       |                     |
| US 5662508                                | A | 02-09-1997          | NONE                       |                     |
| US 3581431                                | A | 01-06-1971          | NONE                       |                     |
| US 4517251                                | A | 14-05-1985          | NONE                       |                     |

EPO FORM P0459

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