



(19)

Europäisches Patentamt

European Patent Office

Office européen des brevets



(11)

EP 0 834 461 A3

(12)

## EUROPEAN PATENT APPLICATION

(88) Date of publication A3:  
10.02.1999 Bulletin 1999/06

(51) Int. Cl.<sup>6</sup>: B65H 45/20

(43) Date of publication A2:  
08.04.1998 Bulletin 1998/15

(21) Application number: 97108436.3

(22) Date of filing: 26.05.1997

(84) Designated Contracting States:  
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC  
NL PT SE

Designated Extension States:  
AL LT LV RO SI

(30) Priority: 04.10.1996 IT BG960038

(71) Applicant: Neolt S.p.A.  
24036 Ponte S. Pietro (Bergamo) (IT)

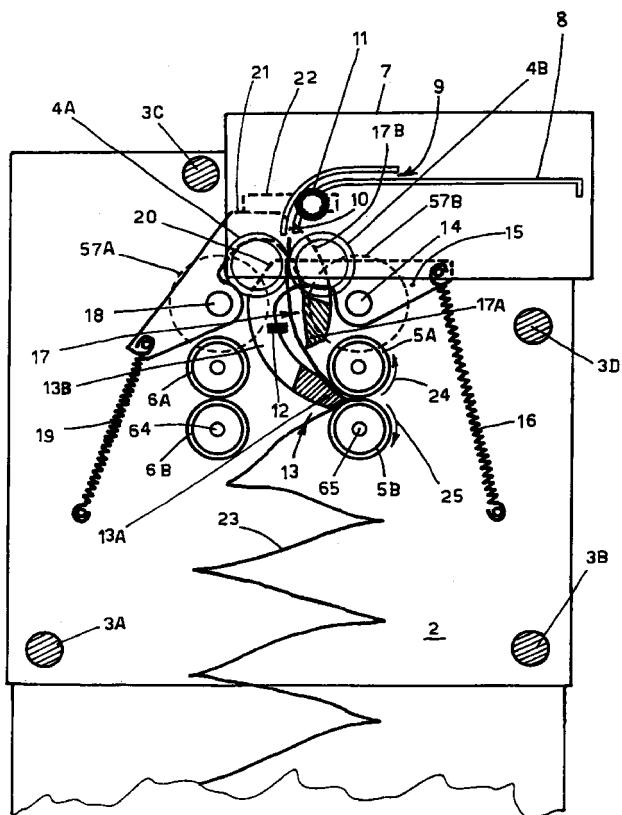
(72) Inventor: Caccia, Patrizio  
24030 Ambivere (Bergamo) (IT)

(74) Representative:  
Luksch, Giorgio, Dr.-Ing. et al  
Ing. A. Giambrocono & C. S.r.l.  
Via Rosolino Pilo, 19/b  
20129 Milano (IT)

### (54) Automatic machine for folding long sheets, particularly technical drawings

(57) This automatic machine for the zig-zag folding of long sheets, particularly technical drawings, creates alternate folds by the action of two oscillating creasing blades (13,17) prior to a short fold-completing compressing action determined by inserting a vertically descending and alternately creased sheet (23), gripped and urged by two upper rollers (4A,4B), between two opposing pairs of presser rollers (5A,5B,6A,6B) rotatable with predetermined reciprocating synchronous movement.

Fig.1



EP 0 834 461 A3



European Patent  
Office

## EUROPEAN SEARCH REPORT

Application Number

EP 97 10 8436

DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int.Cl.6)						
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim							
X	DE 21 39 265 A (MESSERLI AG A) 15 February 1973 * page 3 - page 5; figures * ---	1	B65H45/20						
X	DE 32 40 627 A (ULRICH H. ) 3 May 1984 * page 5, paragraph 4 - page 8, paragraph 1; figures 1,4 *	1							
A	US 3 724 838 A (ORLOVSKY V. ) 3 April 1973 * column 2, line 3 - column 3, line 6; figures 1-5 * -----	1							
			TECHNICAL FIELDS SEARCHED (Int.Cl.6)						
			B65H						
<p>The present search report has been drawn up for all claims</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">Place of search</td> <td style="width: 33%;">Date of completion of the search</td> <td style="width: 34%;">Examiner</td> </tr> <tr> <td>THE HAGUE</td> <td>15 December 1998</td> <td>Raven, P</td> </tr> </table>				Place of search	Date of completion of the search	Examiner	THE HAGUE	15 December 1998	Raven, P
Place of search	Date of completion of the search	Examiner							
THE HAGUE	15 December 1998	Raven, P							
CATEGORY OF CITED DOCUMENTS		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 ..... & : member of the same patent family, corresponding document							
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									

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

EP 97 10 8436

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.

15-12-1998

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
DE 2139265	A	15-02-1973	NONE	
DE 3240627	A	03-05-1984	NONE	
US 3724838	A	03-04-1973	NONE	