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## EUROPEAN PATENT APPLICATION

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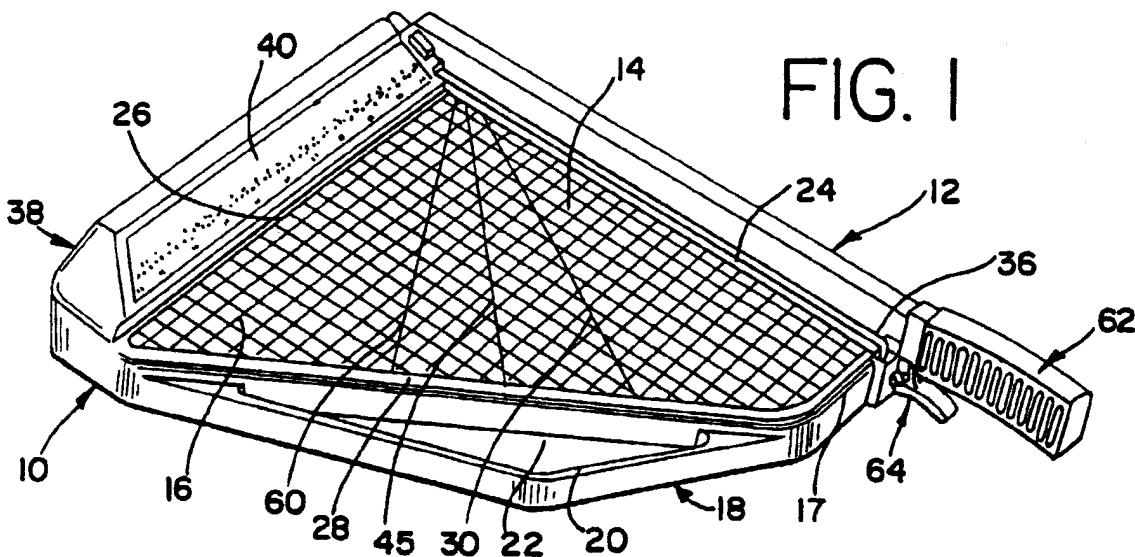
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(54) **Paper cutter apparatus and method of operating the same**

(57) Paper cutting apparatus is provided including a base (10), and a cutting arm (12). The base includes a non-rectangular-shaped upper face (14) and a cutting edge (24). The upper face preferably has an upper face having an area less than the smallest rectangle that will cover the face area. The upper face may include at least one line (30, 45, 60) inscribed thereon and angled at

less than 90 degrees with respect to the cutting edge. The cutting arm is attached by a bolt (42) to one end of the board adjacent the cutting edge to allow a user to cut a sheet aligned along the angled line and extending over the cutting edge. A one-piece latch (64) may be provided which allows the cutting arm (12) to be latched to the base (10).





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## EUROPEAN SEARCH REPORT

Application Number

EP 97 30 4359

DOCUMENTS CONSIDERED TO BE RELEVANT		Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
Category	Citation of document with indication, where appropriate, of relevant passages		
X	US 2 034 177 A (FLATT) 17 March 1936	1-3,26, 27	B26D1/30 B26D7/22
Y	* the whole document *	4-8,13, 14,52	B26D7/01 B26D7/20 B26D7/00
Y	---		
Y	US 3 237 497 A (COOK) 1 March 1966 * the whole document *	4-7,31	
Y	---		
Y	US 4 198 888 A (GATT FRANK R) 22 April 1980 * column 2, line 35 *	8,48,51	
X	---		
X	US 5 320 011 A (LEE ARNOLD) 14 June 1994	15,17, 19,28,29	
Y	* figures *	25,30	
Y	---		
Y	US 3 792 636 A (POTTERN A) 19 February 1974 * figures 2,3 *	25,30	
Y	---		
Y	US 4 957 025 A (BENO STEVEN J) 18 September 1990 * figures 1,3 *	13,14	TECHNICAL FIELDS SEARCHED (Int.Cl.6)
A	---		B26D
A	US 4 957 235 A (BENO STEVEN J ET AL) 18 September 1990 * figure 1 *	11,12,32	
Y	---		
Y	US 2 779 409 A (BECKER) 29 January 1957 * the whole document *	31 42-45	
X	---		
X	US 3 154 991 A (DURTSCHI) 3 November 1964	42,44, 45,47	
Y	* the whole document *	48	
X	---		
X	DE 145 876 C (TAPEZIERMASCHINE HÖNEMANN GMBH) * the whole document *	42,44, 45,47,49	
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	-/-		
The present search report has been drawn up for all claims			
EPO FORM 1520 03/82 (P04C01)		Place of search	Date of completion of the search
THE HAGUE		18 June 1998	Examiner
CATEGORY OF CITED DOCUMENTS			
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			
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			

**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:

1-32, 42-52



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## EUROPEAN SEARCH REPORT

Application Number

EP 97 30 4359

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 4 580 474 A (BUECHE SR CLIFFORD J) 8 April 1986	42,46,50											
Y	* the whole document *	51,52											
A	US 5 249 495 A (RENK RONALD D) 5 October 1993 * figure 5 *	18											
			TECHNICAL FIELDS SEARCHED (Int.Cl.6)										
<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>18 June 1998</td> <td>VAGLIENTI, G</td> </tr> </table>				Place of search	Date of completion of the search	Examiner	THE HAGUE	18 June 1998	VAGLIENTI, G				
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<p>CATEGORY OF CITED DOCUMENTS</p> <table> <tr> <td>X : particularly relevant if taken alone</td> <td>T : theory or principle underlying the invention</td> </tr> <tr> <td>Y : particularly relevant if combined with another document of the same category</td> <td>E : earlier patent document, but published on, or after the filing date</td> </tr> <tr> <td>A : technological background</td> <td>D : document cited in the application</td> </tr> <tr> <td>O : non-written disclosure</td> <td>L : document cited for other reasons</td> </tr> <tr> <td>P : intermediate document</td> <td>&amp; : member of the same patent family, corresponding document</td> </tr> </table>				X : particularly relevant if taken alone	T : theory or principle underlying the invention	Y : particularly relevant if combined with another document of the same category	E : earlier patent document, but published on, or after the filing date	A : technological background	D : document cited in the application	O : non-written disclosure	L : document cited for other reasons	P : intermediate document	& : member of the same patent family, corresponding document
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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: 1-32, 42-52

A base for cutting comprising an inscribed angled line and a method of using the same

2. Claims: 4-7, 11, 12, 31, 32, 42-46, 47, 49, 50-52

A base for cutting having a non-rectangular shape

3. Claim : 8

A base for cutting constituted of plastic

4. Claims: 9 10, 15-25, 28-30

Safety means for a cutting device and method of using the same

5. Claims: 33-41

A base for cutting having an area less than the workpiece and a method of using the same

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

EP 97 30 4359

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.

18-06-1998

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 2034177	A	17-03-1936	NONE		
US 3237497	A	01-03-1966	NONE		
US 4198888	A	22-04-1980	AU	521437 B	01-04-1982
			AU	3757478 A	03-01-1980
US 5320011	A	14-06-1994	NONE		
US 3792636	A	19-02-1974	CA	983842 A	17-02-1976
			JP	49088186 A	23-08-1974
US 4957025	A	18-09-1990	NONE		
US 4957235	A	18-09-1990	NONE		
US 2779409	A	29-01-1957	NONE		
US 3154991	A	03-11-1964	NONE		
DE 145876	C		NONE		
US 4580474	A	08-04-1986	NONE		
US 5249495	A	05-10-1993	NONE		