



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
30.08.2000 Bulletin 2000/35

(51) Int Cl.7: **B24B 19/22, B41M 3/14**

(43) Date of publication A2:
27.01.1999 Bulletin 1999/04

(21) Application number: **98500139.5**

(22) Date of filing: **10.06.1998**

(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) Inventors:
• **Cicccone, Nicolas Tadeo**
1407 Buenos Aires (AR)
• **Cicccone, Héctor Hugo**
1407 Buenos Aires (AR)

(30) Priority: **14.07.1997 AR 10315197**

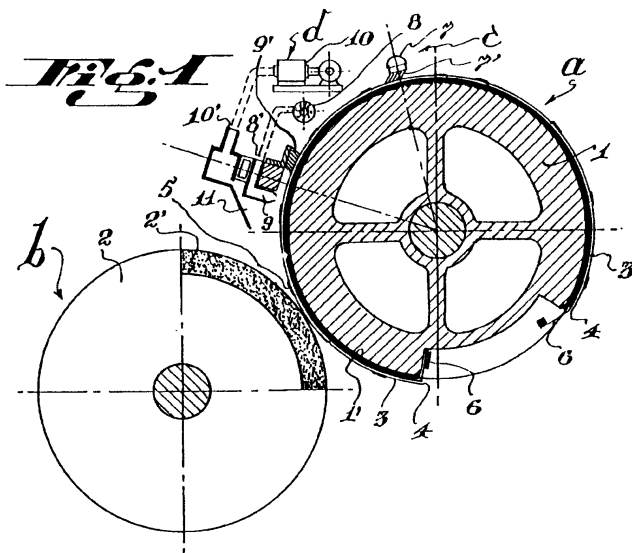
(74) Representative: **Del Santo Abril, Natividad**
Oficina Garcia Cabrerizo, S.L.,
Vitruvio, 23
28006 Madrid (ES)

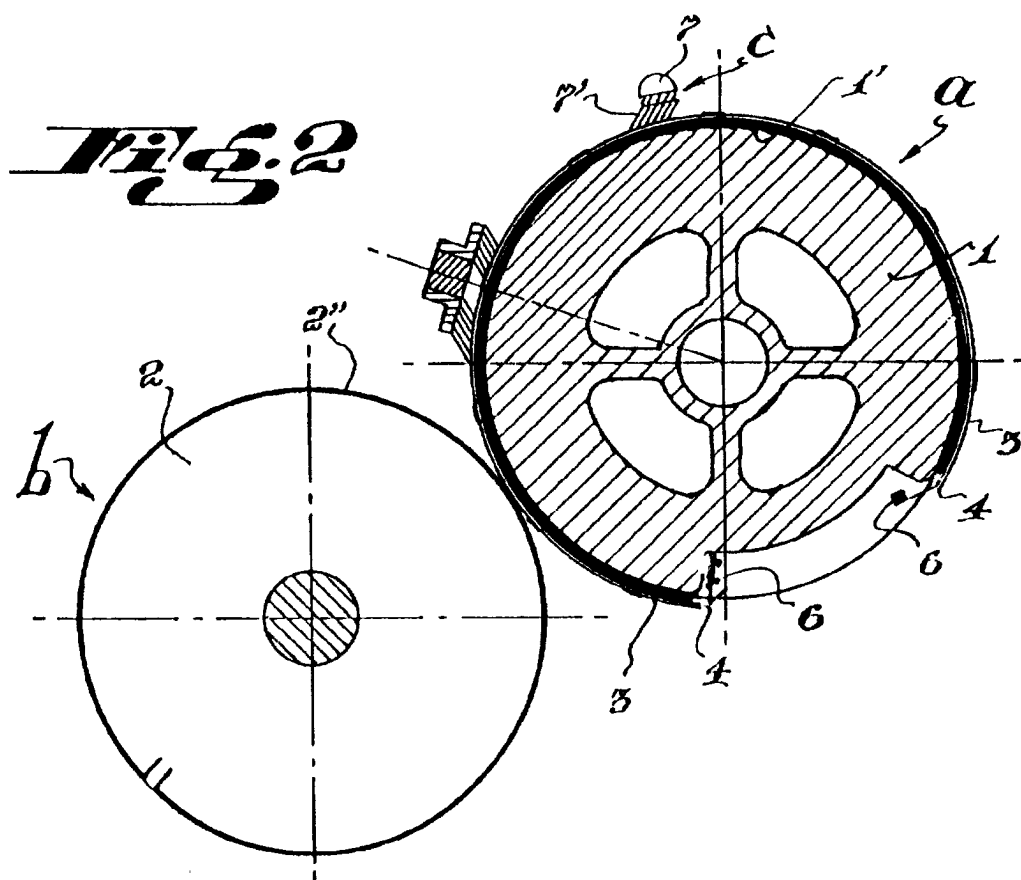
(71) Applicants:
• **Cicccone, Nicolas Tadeo**
1407 Buenos Aires (AR)
• **Cicccone, Héctor Hugo**
1407 Buenos Aires (AR)

(54) **Device for obtaining safety stamps applicable to paper or other laminar elements**

(57) Device for obtaining safety stamps applicable to paper or other laminar elements. Said device comprises a supporting cylinder (a) for paper (3) fitted with reliefs (5) separated from an abrasive periphery (2') wheel (b) along a distance that is shorter than the height of said relief (5) peaks (5'); the device includes antisliding pressure means (c) and adjustment means (d) for applying the paper (3) to the cylinder (a) side walls (1'), in addition to angular drive means (15) in said support-

ing cylinder (a). In view that the distance separating the abrasive wheel (b) from the supporting cylinder (a) is shorter than the height of the relief (5) peaks (5') when the relief (5) enters the contact zone, the abrasive periphery (2') of the wheel (b) abrades the ends of said peaks (5'), resulting in a water mark being implemented. The antisliding pressure means (c) secure the paper (3) in place, while the adjustment means (d) preclude any paper (3) maladjustment in the critical abrasion zone.







European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 98 50 0139

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)
A	US 4 720 325 A (RAUSING HANS ET AL) 19 January 1988 (1988-01-19) * column 2, line 17 - line 55 * ----	1,2,12	B24B19/22 B41M3/14 B65H5/22 B44B5/00 B44C1/22
A	DE 37 18 452 A (CICCONE NICOLAS TADEO ;CICCONE HECTOR HUGO (AR)) 28 January 1988 (1988-01-28) * claim 1 * ----	1,2,12	
A	US 4 815 379 A (BECKER WILLI ET AL) 28 March 1989 (1989-03-28) * column 4, line 8 - line 21 * ----	3,5,6	
A	US 5 183 252 A (WOLBER JACK ET AL) 2 February 1993 (1993-02-02) * column 2, line 10 - line 24 * ----	3,6	
A	US 1 963 448 A (FRANK D. ROBBINS) 19 June 1934 (1934-06-19) * page 1, line 71 - line 103 * ----	13	
A	US 3 683 559 A (KALWAITES FRANK) 15 August 1972 (1972-08-15) * column 3, line 23 - line 30 * -----	1,13	<div>TECHNICAL FIELDS SEARCHED (Int.Cl.6)</div> B24B B65H B44B B44C
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 11 July 2000	Examiner Eschbach, D
<div>CATEGORY OF CITED DOCUMENTS</div> <div> 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 </div> <div> 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 </div>			

EPO FORM 1503 03.82 (FoxC01)

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

EP 98 50 0139

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.

11-07-2000

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 4720325 A	19-01-1988	GB 2172550 A	24-09-1986
		AU 581283 B	16-02-1989
		AU 5267686 A	31-07-1986
		CA 1278209 A	27-12-1990
		CA 1300953 A	19-05-1992
		EP 0195887 A	01-10-1986
		JP 1989978 C	08-11-1995
		JP 7026359 B	22-03-1995
		JP 62006998 A	13-01-1987
		US 4814043 A	21-03-1989
DE 3718452 A	28-01-1988	AR 240422 A	30-04-1990
		IT 1206008 B	05-04-1989
US 4815379 A	28-03-1989	DE 3602084 A	30-07-1987
		AT 63855 T	15-06-1991
		AU 604221 B	13-12-1990
		AU 6671786 A	30-07-1987
		CA 1280133 A	12-02-1991
		DE 3679536 D	04-07-1991
		DK 5087 A,B,	25-07-1987
		EP 0230032 A	29-07-1987
		JP 1879504 C	21-10-1994
		JP 6002403 B	12-01-1994
		JP 62173258 A	30-07-1987
		NO 870290 A,B,	27-07-1987
US 5183252 A	02-02-1993	NONE	
US 1963448 A	19-06-1934	NONE	
US 3683559 A	15-08-1972	NONE	

EPO FORM P0459

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