

(19)



Europäisches Patentamt

European Patent Office

Office européen des brevets



(11)

EP 0 893 202 A3

(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

(30) Priority: 14.07.1997 AR 10315197

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

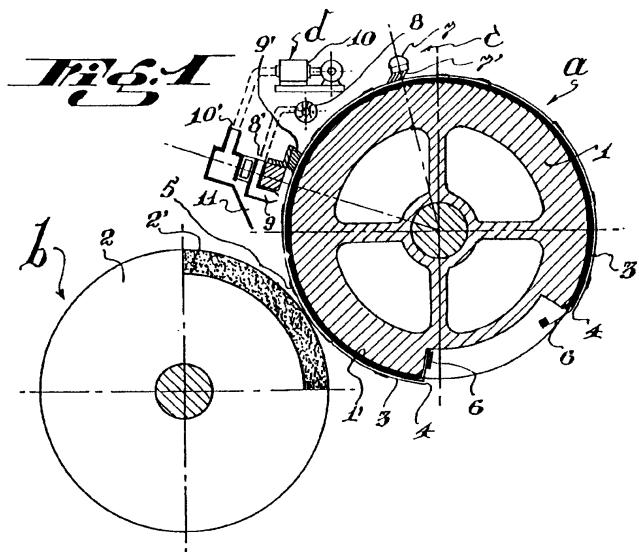
(72) Inventors:
• Ciccone, Nicolas Tadeo
1407 Buenos Aires (AR)
• Ciccone, Héctor Hugo
1407 Buenos Aires (AR)

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

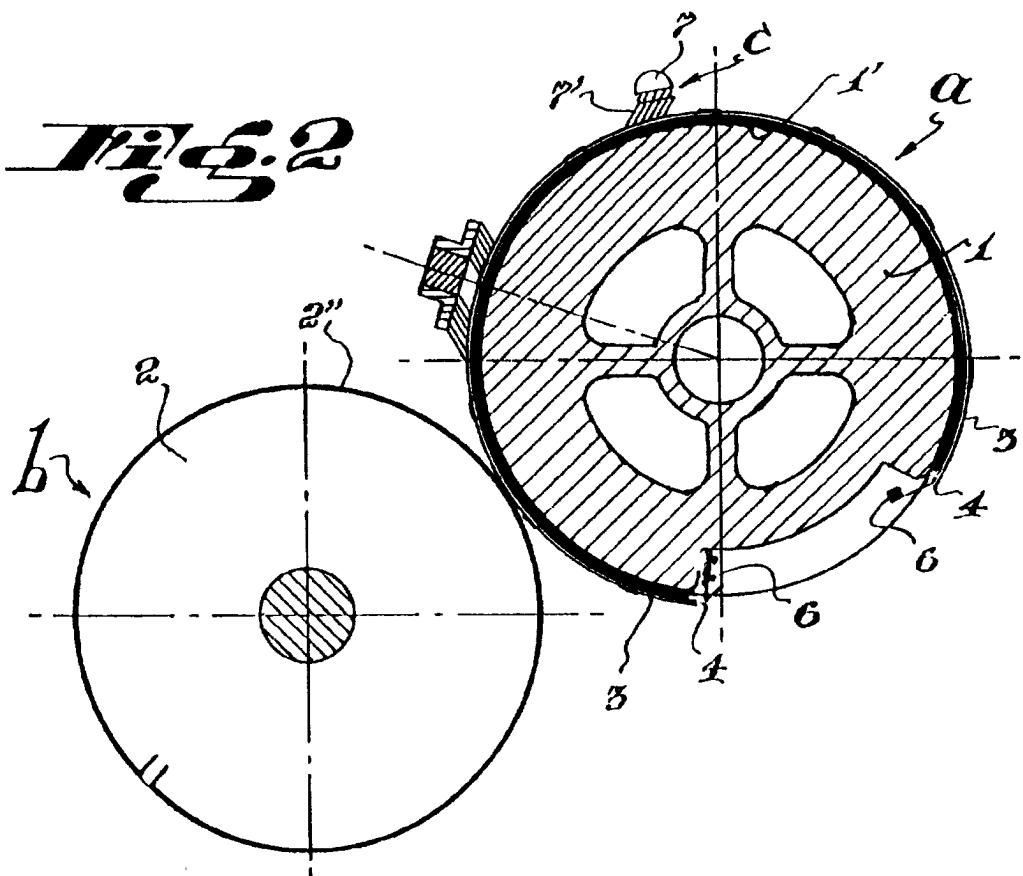
(54) Device for obtaining safety stamps applicable to paper or other laminar elements

(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.



Ris. 2





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	
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	TECHNICAL FIELDS SEARCHED (Int.Cl.6) B24B B65H B44B B44C
The present search report has been drawn up for all claims			
Place of search	Date of completion of the search	Examiner	
THE HAGUE	11 July 2000	Eschbach, D	
CATEGORY OF CITED DOCUMENTS			
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	

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