

Search history

Search 1: FT=(FOIL~ STAMPING~ MACHINE~) (Results 106)
Search 2: IC=(B41F) (Results 148607)
Search 3: 1 and 2 (Results 46)

Title: Jig for hot-foil stamping

Abstract: A jig for use in a hot-foil stamping process is adapted to allow simultaneous embossing of both front and back leaves of a book of matches by recessing one edge-face for receiving the matches while the back leaf can lie on the roof of the recess. The latter is thinned and chamfered so as to enter between the array of matches and the back leaf with minimum bending of the latter.

Classifications:

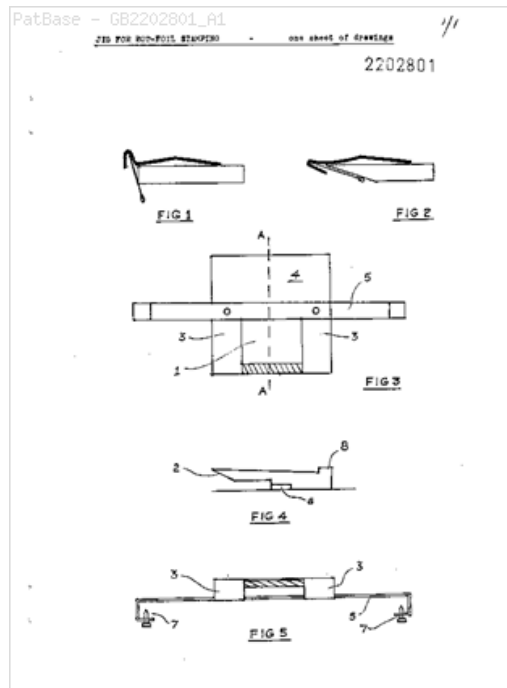
International (IPC 8-9): B41F19/06 B44B5/02 (Advanced/Invention);

B41F19/00 B44B5/00 (Core/Invention)

International (IPC 1-7): B44B5/00 B44C1/14

CPC: B41F19/06 B41P2219/43 B44B5/022

European: B41F19/06 B44B5/02B L41P219/430



Family:

Publication number	Publication date	Application number	Application date
GB2202801 A1	19881005	GB19870006587	19870319
GB8706587 A0	19870423	GB19870006587	19870319

Priority:

GB19870006587 19870319

Probable Assignee:

FEINER L

Assignee(s): (std):

FEINER L ; FEINER LEO

Assignee(s):

LEO FEINER

Inventor(s): (std):

FEINER LEO

Inventor(s):

LEO FEINER

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
GB2202801 A1	19881005	LSPB	+	published / reissued	
GB2202801 A1	19890809	LSWD	-WAP	APPLICATION WITHDRAWN, TAKEN TO BE WITHDRAWN OR REFUSED ** AFTER PUBLICATION UNDER SECTION 16(1)	

Title: ROTARY HOT **FOIL STAMPING MACHINE**

Abstract: A rotary hot **foil stamping machine** is provided for repeatedly stamping a foil image onto a continuous product web at a consistent interval along the length of the product web. The rotary hot **foil stamping machine** includes first and second die stations, each die station comprising a servo driven rotary die holder with at least one removable die attached thereto. Counter rolls are mounted adjacent each die holder such that the outer surfaces of the dies engage the counter rolls as the dies are rotated past the counter rolls. The die holders are driven at a constant speed such that said die surfaces engage the counter rolls simultaneously at regular timed intervals.

Classifications:

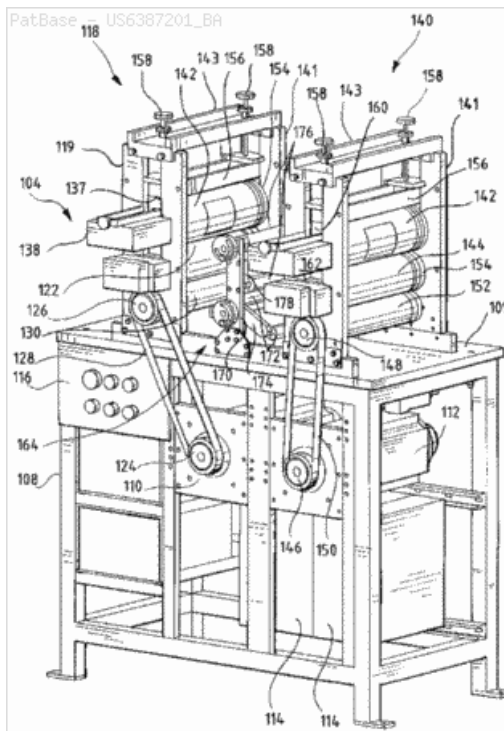
International (IPC 8-9): B41F19/06 B44C1/17 (Advanced/Invention); B41F19/00 B44C1/17 (Core/Invention)

International (IPC 1-7): B32B31/20 B32B35/00 B44C1/16

CPC: Y10S101/31 B44C1/1729 B41F19/062 Y10T156/1705 Y10T156/1712

European: B41F19/06B B44C1/17F8

US: 101/23 101/25 101/DIG.31 156/233 156/234 156/238 156/239 156/540 156/543



Family:

Publication number	Publication date	Application number	Application date
US6387201 BA	20020514	US19990312330	19990514

Priority:

US19990312330 19990514

Probable Assignee:

BEST CUTTING DIE CO

Assignee(s): (std):

BEST CUTTING DIE CO

Assignee(s):

BEST CUTTING DIE COMPANY

Inventor(s): (std):

CORTESE STEVEN P ; STUART JOHN M

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US6387201 BA	20020514	LSGT	+	granted / extensions (spc, cpc, pte)	
US6387201 BA	19990514	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : BEST CUTTING DIE COMPANY, ILLINOIS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:STUART, JOHN M.; CORTESE, STEVEN P.; REEL/FRAME:009982/0120 EFFECTIVE DATE : 19990511
US6387201 BA	20060515	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US6387201 BA	20060614	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US6387201 BA	20060711	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20060514
US6387201 BA	20190514	PEXP		Calculated Patent	

Title: FOIL WEB INSTALLATION FOR A FLAT BED EMBOSsing MACHINE

Abstract: A foil web installation for a flat bed embossing machine with foil webs (6), which are conducted across an embossing table (3) from unwinding rolls (7) comprises a braking-and guiding wall (10) ahead of the embossing table and foil feeding devices (9) for several foil webs after the embossing table. Between the unwinding rolls (7) and the embossing table (3) at least one flat braking-and guiding wall (10) acts as a foil tensioning device. This latter element comprises a fixed supporting layer (11) as supporting surface with suction openings (14), a cloth-like contacting layer permeable to air (12) lying on top of it and a flat vacuum chamber (17) with an adjustable vacuum source (13) assigned to it, wherein foil webs (6) are pressed against the braking-and guiding wall (10) and braked as a result of this. This makes possible a foil web installation simple to adjust, easy on the foil web for achieving high embossing performances with the best quality as well as short retooling times.

Classifications:

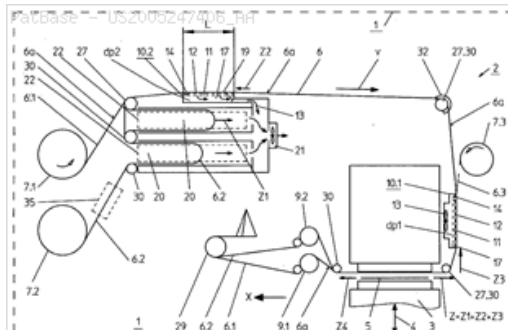
International (IPC 8-9): B32B37/00 B41F19/06 (Advanced/Invention); B41F19/00 (Core/Invention)

International (IPC 1-7): B29D30/08 B32B31/00 B41F19/06

CPC: B41F19/068 B41P2219/21 B41P2219/22

European: B41F19/06 B41F19/06C4 L41P219/210 L41P219/220

US: 156/412 156/412S 156/459 156/494

**Family:**

Publication number	Publication date	Application number	Application date
DE502005013790 D1	20130822	DE200550013790T	20050429
EP1593503 A2	20051109	EP20050405324	20050429
EP1593503 A3	20060726	EP20050405324	20050429
EP1593503 B1	20130626	EP20050405324	20050429
US2005247406 AA	20051110	US20050121265	20050503
US7424903 BB	20080916	US20050121265	20050503

Priority:

CH20040000789 20040504 EP20050405324 20050429

Probable Assignee: MASCHF GIETZ AG

Assignee(s): (std): GIETZ AG MASCHF ; GIETZ MASCHF AG

Assignee(s): MASCHF GIETZ AG ; MASCHF GIETZ GOSSAU AG ; MASCHINENFABRIK GIETZ AG

Inventor(s): (std): KAEGI BEAT ; KAGI BEAT ; MARKOVIC BODIZAR ; MARKOVIC BOZIDAR ; ROESLI MANFRED ; ROSLI MANFRED

Agent(s): OSTERTAG AND PARTNER PATENTANWALTE MBB; FREI PATENT ATTORNEYS; OPPEDAHN AND LARSON LLP; OPPEDAHN PATENT LAW FIRM LLC

Designated states: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
EP1593503 A2	20051109	LSPB	+	published / reissued	
EP1593503 A2	20131129	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130626
EP1593503 A2	20131129	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130626
EP1593503 A2	20131129	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130927
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EP1593503 A2	20140228	LSLE	-PG25	OFFICE TO EPO] LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	LAPSED DATE : 20130626 COUNTRY OF REF DOCUMENT : SK NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130626
EP1593503 A2	20160729	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20160421 YEAR OF FEE PAYMENT : 12
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EP1593503 A3	20120425	LSSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20120323
EP1593503 B1	20130626	LSGT	+	granted / extensions (spc, cpc, pte)	
EP1593503 B1	20130626	LSGT	REG	REFERENCE TO A NATIONAL	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D

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EP1593503 B1	20130628	LSNP	REG		REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP1593503 B1	20130715	LSNP	REG		REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : REF REF DOCUMENT NUMBER : 618516 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20130715
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EP1593503 B1	20131031	LSLE	-PG25		LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130927
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EP1593503 B1	20131031	LSLE	-PG25		LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130626
EP1593503 B1	20131125	LSRV	REG		REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : LT REF LEGAL EVENT CODE : MG4D
EP1593503 B1	20131129	LSLE	-PG25		LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BG NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130926
EP1593503 B1	20131211	LSRV	REG		REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : NL REF LEGAL EVENT CODE : VDEP EFFECTIVE DATE : 20130626
EP1593503 B1	20140131	LSLE	-PG25		LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IS NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20131026
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EP1593503 B1	20140331	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CY NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130626
EP1593503 B1	20140430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DK NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130626
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					502005013790 COUNTRY OF REF DOCUMENT : DE EFFECTIVE DATE : 20140327
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EP1593503 B1	20150430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20140429
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EP1593503 B1	20160729	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : HU NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT; INVALID AB INITIO LAPSED DATE : 20050429
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EP1593503 B1	20170731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20170419 YEAR OF FEE PAYMENT : 13
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EP1593503 B1	20170731	LSFE	+PGFP	OFFICE TO EPO] ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20170419 YEAR OF FEE PAYMENT : 13
EP1593503 B1	20180420	LSFE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 14
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EP1593503 B1	20250429	PEXP		Calculated Patent Term Expiry	
US2005247406 AA	20051110	LSPB	+	published / reissued	
US2005247406 AA	20050808	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : MASCHINENFABRIK GIETZ AG, SWITZERLAND OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:KÄGI, BEAT; RÖSLI, MANFRED; MARKOVIC, BODIZAR; REEL/FRAME:016367/0411; SIGNING DATES FROM 20050708 TO 20050711
US7424903 BB	20080916	LSGT	+	granted / extensions (spc, cpc, pte)	
US7424903 BB	20080827	LSGT	PAT1	Patented Case	
US7424903 BB	20120306	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US7424903 BB	20160307	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US7424903 BB	20260617	PEXP		Calculated Patent Term Expiry (PTA 410 days)	

Title: MAGNETIC HOLDING DEVICE

Abstract: A magnetic holding device (10) and a method for the manufacture thereof. The device (10) is used in the field of graphic arts such as foil stamping. The device (10) secures a steel back polymer plate to a heating element, for the purposes of transferring thin metal foil or leaf to paper, card, plastics material or similar media. The device (10) has a space locations a plurality of magnets (13) embedded in a body (14) of the device (10). The magnets (13) are preferably Samarium Cobalt Disk magnets and are held within the body (14) by means of an adhesive such as Loctite 620((R)ss).

Classifications:

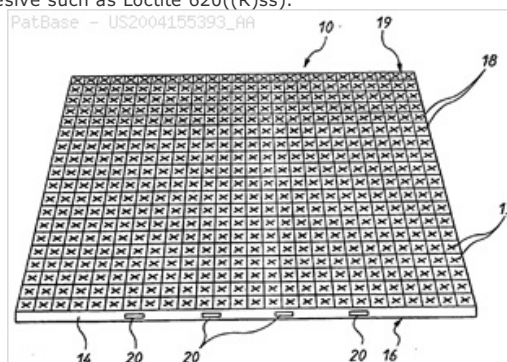
International (IPC 8-9): B23P13/00 B23Q3/15 B25B11/00 B32B15/08 B41F19/06 B41F27/02 B44B3/00 B44B3/06 B44C1/14 B44C1/17 (Advanced/Invention); B23Q3/15 B25B11/00 B32B15/08 B41F19/00 B44C1/17 (Core/Invention)

International (IPC 1-7): B21B13/22 B23P13/00 B23Q3/15 B25B11/00 B32B15/08 B41F27/02 B44B3/00 B44B3/06 B44C1/14 B41P2219/32 B44C1/1729

CPC: Y10T29/49826 Y10T29/4998 B25B11/002 B41F19/064

European: B25B11/00B B41F19/06C B44C1/17F8 L41P219/320

US: 269/8 29/428 29/527.1



Family:

Publication number	Publication date	Application number	Application date
AU2001004515 A0	20010524	AU2001PR04515	20010420
AU2002247560 AA	20021105	AU20020247560	20020419
AU2002247560 BB	20061221	AU20020247560	20020419
AU451501 A0	20010524	AU2001PR04515	20010420
BRPI0209042 A	20040810	BR2002PI09042	20020419
CA2444559 AA	20031017	CA20022444559	20020419
CN1514761 A	20040721	CN20028011471	20020419
EP1392473 A1	20040303	EP20020716549	20020419
EP1392473 A4	20070801	EP20020716549	20020419
HU0303815 AB	20040301	HU20030003815	20020419
IN01938DN2003 A	20051216	IN2003DN01938	20031117
JP2005507785 T2	20050324	JP20020583136T	20020419
MXPA03009590 A1	20040212	MX2003PA09590	20020419
US2004155393 AA	20040812	US20040475053	20040409
WO02085574 A1	20021031	WO2002AU00496	20020419

Priority:

AU2001PR04515 20010420 AU20020247560 20020419 WO2002AU00496 20020419

Probable Assignee: THERMO MAGNETIC SYSTEMS AUSTRALIA PTY LTD

Assignee(s): (std): ALAN JOHN FAWCETT ; FAWCETT A J ; FAWCETT ALAN ; FAWCETT ALAN JOHN ; WRIGHT GLEN LAWRENCE ; WRIGHT ; WRIGHT GLEN L ; TMS TECHNOLOGIES INC ; WRIGHT G L

Assignee(s): THERMO MAGNETIC SYSTEMS PTY LTD ; THERMO MAGNETIC SYSTEMS AUSTRALIA PTY LTD ; WRIGHT GLENN LAWRENCE ; FAWCETT ALAN JOHN ; WRIGHT GLEN LAWRENCE ; GLEN LAWRENCE WRIGHT ; THERMO MAGNETIC SYSTEMS (AUSTRALIA) PTY LTD ; FAWCETT ALAN J

Inventor(s): (std): FAWCETT ALAN JOHN ; GLEN LAWRENCE WRIGHT ; WRIGHT GLEN L ; WRIGHT GLEN LAWRENCE

Inventor(s): WRIGHT GLENN LAWRENCE

Agent(s): SPRUSON AND FERGUSON; ROBIC

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ OM PH PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AU2002247560 AA	20021105	LSPB	+	published / reissued	
AU2002247560 BB	20061221	LSGT	+	granted / extensions (spc, cpc, pte)	
AU2002247560 BB	20050120	LSAS	PC1	ASSIGNMENT BEFORE GRANT (SECT. 113)	PARTYTYPE : OWNER OWNER : TMS TECHNOLOGIES INC. OLDPARTY : FORMER APPLICANT(S): FAWCETT, ALAN; WRIGHT, GLEN
AU2002247560 BB	20070118	LSRE	DA2	APPLICATIONS FOR AMENDMENT SECTION 104	TEXT : THE NATURE OF THE AMENDMENT IS: AMEND THE NAME OF THE INVENTOR FROM WRIGHT, GLEN LAWRENCE TO WRIGHT, GLENN LAWRENCE.
AU2002247560 BB	20070426	LSRE	DA3	AMENDMENTS MADE	TEXT : THE NATURE OF THE

				SECTION 104	AMENDMENT IS: AMEND THE INVENTOR NAME FROM WRIGHT, GLEN LAWRENCE TO WRIGHT, GLENN LAWRENCE
AU2002247560 BB	20070503	LSGT	+FGA	LETTERS PATENT SEALED OR GRANTED (STANDARD PATENT)	
AU2002247560 BB	20071206	LSAS	PC	ASSIGNMENT REGISTERED	PARTYTYPE : OWNER OWNER : THERMO MAGNET SYSTEMS (AUSTRALIA) PTY LIMITED OLDPARTY : FORMER OWNER WAS: TMS TECHNOLOGIES INC.
AU2002247560 BB	20081113	LSLE	-MK14	PATENT CEASED SECTION 143(A) (ANNUAL FEES NOT PAID) OR EXPIRED	
AU2002247560 BB	20220419	PEXP		Calculated Patent Term Expiry	
BRPI0209042 A	20040810	LSPB	+	published / reissued	
BRPI0209042 A	20100629	LSFE	-B08F	APPLICATION FEES: DISMISSAL - ARTICLE 86 OF INDUSTRIAL PROPERTY LAW	TEXT : REFERENTE 7A. E 8A. ANUIDADES.
BRPI0209042 A	20110719	LSLE	-B08K	LAPSE AS NO EVIDENCE OF PAYMENT OF THE ANNUAL FEE HAS BEEN FURNISHED TO INPI (ACC. ART. 87)	TEXT : REFERENTE AO DESPACHO 8.6 PUBLICADO NA RPI 2060 DE 29/06/2010.
CA2444559 AA	20031017	LSPB	+	published / reissued	
CA2444559 AA	20070402	LSSES	+EEER	EXAMINATION REQUEST	
CA2444559 AA	20090420	LSLE	-FZDE	DEAD	
CN1514761 A	20040721	LSPB	+	published / reissued	
CN1514761 A	20040721	LSPB	+C06	PUBLICATION	
CN1514761 A	20050420	LSAS	ASS	SUCCESSION OR ASSIGNMENT OF PATENT RIGHT	TEXT : FORMER OWNER: WRIGHT GLEN L. EFFECTIVE DATE : 20050318
CN1514761 A	20050420	LSAS	ASS	SUCCESSION OR ASSIGNMENT OF PATENT RIGHT	PARTYTYPE : OWNER OWNER : TMS TECHNOLOGY CO.,LTD. OLDPARTY : FORMER OWNER: FAWCETT ALAN J.
CN1514761 A	20050420	LSAS	C41	TRANSFER OF PATENT APPLICATION OR PATENT RIGHT OR UTILITY MODEL	
CN1514761 A	20080213	LSAS	ASS	SUCCESSION OR ASSIGNMENT OF PATENT RIGHT	PARTYTYPE : OWNER OWNER : HOT MAGNETIC SYSTEM (AUSTRALIA) LIMITED OLDPARTY : FORMER OWNER: TMS TECHNOLOGY CO.,LTD. EFFECTIVE DATE : 20080111
CN1514761 A	20080213	LSAS	C41	TRANSFER OF PATENT APPLICATION OR PATENT RIGHT OR UTILITY MODEL	
CN1514761 A	20090923	LSRV	-C12	REJECTION OF A PATENT APPLICATION AFTER ITS PUBLICATION	
EP1392473 A1	20040303	LSPB	+	published / reissued	
EP1392473 A1	20040303	LSSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20031118
EP1392473 A1	20050302	LSAS	RAP1	RIGHTS OF AN APPLICATION TRANSFERRED	PARTYTYPE : OWNER OWNER : TMS TECHNOLOGIES INC.
EP1392473 A4	20070801	LSSES	+A4	SUPPLEMENTARY SEARCH REPORT DRAWN UP AND DESPATCHED	EFFECTIVE DATE : 20070628
EP1392473 A4	20080123	LSAS	RAP1	RIGHTS OF AN APPLICATION TRANSFERRED	PARTYTYPE : OWNER OWNER : THERMO MAGNETIC SYSTEMS (AUSTRALIA) PTY LIMITED
EP1392473 A4	20080514	LSSES	+17Q	FIRST EXAMINATION	EFFECTIVE DATE : 20080416

REPORT DESPATCHED					
EP1392473 A4	20090422	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	EFFECTIVE DATE : 20081028
HU0303815 AB	20040301	LSPB	+	published / reissued	
IN01938DN2003 A	20051216	LSPB	+	published / reissued	
JP2005507785 T2	20050324	LSPB	+	published / reissued	
JP2005507785 T2	20041213	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20041210
JP2005507785 T2	20050222	LSER	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20050221
JP2005507785 T2	20060815	LSAS	A711	NOTIFICATION OF CHANGE IN APPLICANT	TEXT : JAPANESE INTERMEDIATE CODE: A711 EFFECTIVE DATE : 20060814
JP2005507785 T2	20060908	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A821 EFFECTIVE DATE : 20060814
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JP2005507785 T2	20080207	LSER	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20080206
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MXPA03009590 A1	20040212	LSPB	+	published / reissued	
US2004155393 AA	20040812	LSPB	+	published / reissued	
US2004155393 AA	20040409	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : FAWCETT, ALAN J., AUSTRALIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:WRIGHT, GLEN L.; REEL/FRAME:015254/0488 EFFECTIVE DATE : 20031128
US2004155393 AA	20050324	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : TMS TECHNOLOGIES INC., MALAYSIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:FAWCETT, ALAN JOHN; WRIGHT, GLENN LAWRENCE; REEL/FRAME:015817/0568 EFFECTIVE DATE : 20040811
US2004155393 AA	20080111	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : THERMO MAGNETIC SYSTEMS (AUSTRALIA) PTY LIMITED, A OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:TMS TECHNOLOGIES INC.; REEL/FRAME:020354/0350 EFFECTIVE DATE : 20071020
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WO02085574 A1	20021031	LSPB	+	published / reissued	
WO02085574 A1	20031017	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2444559 COUNTRY OF REF DOCUMENT : CA
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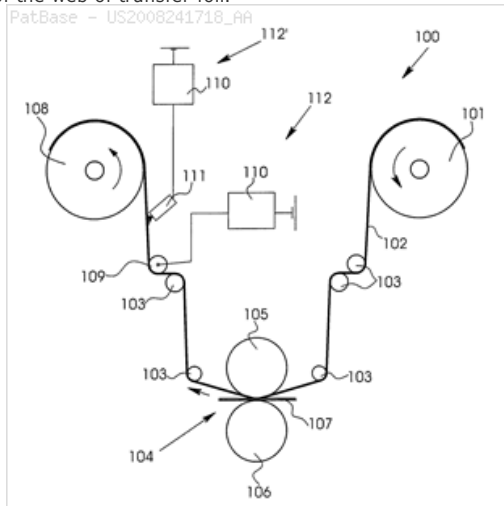
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WO02085574 A1	20031117	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2002716549 COUNTRY OF REF DOCUMENT : EP
WO02085574 A1	20031117	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 1938/DELNP/2003 COUNTRY OF REF DOCUMENT : IN
WO02085574 A1	20031118	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2002247560 COUNTRY OF REF DOCUMENT : AU
WO02085574 A1	20031208	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 02811471X COUNTRY OF REF DOCUMENT : CN
WO02085574 A1	20040303	LSPB	+WWP	WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 2002716549 COUNTRY OF REF DOCUMENT : EP
WO02085574 A1	20040304	LSWD	REG	REFERENCE TO NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : 8642
WO02085574 A1	20040409	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 10475053 COUNTRY OF REF DOCUMENT : US

Title: METHOD AND DEVICE FOR RECEIVING A USED WEB OF TRANSFER FOIL

Abstract: A method and device for receiving a used web of transfer foil on a wind-up reel overcome the disadvantage of telescoping of the wound-up web of transfer foil on the wind-up reel, which tends to increase as a used web of transfer foil continues to be fed to the wind-up reel. Telescoping is at least reduced by providing a device for receiving a used web of transfer foil with at least one dielectric layer, causing web regions adjacent each other in the radial direction on the wind-up reel to adhere to each other due to electrostatic forces. At least one charging device for charging the dielectric layer of the web of transfer foil is provided in a transfer foil web region upstream of the wind-up reel, to charge the used web of transfer foil. The charging device substantially extends over the entire width of the web of transfer foil.

Classifications:

International (IPC 8-9): B41F16/00 B65H18/00 B65H18/08 B65H18/14 B65H18/26 B65H18/28 B65H19/28 G03G13/14 G03G15/02 (Advanced/Invention);
B41F16/00 B65H18/00 B65H18/08 B65H18/14 B65H19/28 G03G13/14 G03G15/02 (Core/Invention)
CPC: B41F16/00 B41P2219/23 B65H18/28 B65H2301/5132
European: B41F16/00 B65H18/28 L41P219/230 L65H301/5132
US: 399/168 399/168S 430/48 430/48P



Family:

Publication number	Publication date	Application number	Application date
DE102008012694 A1	20081002	DE200810012694	20080305
DE502008007196 D1	20120712	DE200850007196T	20080304
EP1975101 A2	20081001	EP20080102233	20080304
EP1975101 A3	20090729	EP20080102233	20080304
EP1975101 B1	20120516	EP20080102233	20080304
JP2008239347 A2	20081009	JP20080079563	20080326
US2008241718 AA	20081002	US20080056861	20080327

Priority:

DE200710015379 20070328 DE200710017799 20070416 EP20080102233 20080304

Probable Assignee: HEIDELBERGER DRUCKMACHINEN AG

Assignee(s): (std): HEIDELBERGER DRUCKMASCH AG

Assignee(s): HEIDELBERGER DRUCKMASCHINEN AKTIENGESELLSCHAFT ; HEIDELBERGER DRUCKMACHINEN AG ; HEIDELBERGER DRUCKMAS AG ; HEIDELBERGER DRUCKMASCHINEN AG

Inventor(s): (std): WEBER ALEXANDER

Inventor(s): WEBER ALEXANDER 69469

Agent(s): LERNER GREENBERG STEMER LLP

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK TR

Legal status (INPADOC)

[View legal status timeline](#)

Patent	Date recorded	Event group	Code	Event	Details
DE102008012694 A1	20081002	LSPB	+	published / reissued	
DE102008012694 A1	20150306	LSDW	-R005	APPLICATION DEEMED WITHDRAWN DUE TO FAILURE TO REQUEST EXAMINATION	
DE102008012694 A1	20150528	LSDW	-R005	APPLICATION DEEMED WITHDRAWN DUE TO FAILURE TO REQUEST EXAMINATION	EFFECTIVE DATE : 20150306
DE502008007196 D1	20130216	LSOP	R026	OPPOSITION FILED AGAINST PATENT	
DE502008007196 D1	20170119	LSAS	R081	CHANGE OF APPLICANT/PATENTEE	PARTYTYPE : OWNER OWNER : HEIDELBERGER DRUCKMASCHINEN AG, 69115 HEIDELBERG, DE OLDPARTY : HEIDELBERGER DRUCKMASCHINEN AKTIENGESELLSCHAFT, 69115 HEIDELBERG, DE

EP1975101 A2	20081001	LSPB	+	published / reissued	
EP1975101 A2	20130228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CZ NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20120516
EP1975101 A2	20130228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SK NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20120516
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EP1975101 A3	20090729	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATION SCHEME : IPC CLASSIFICATION SYMBOL : B65H 18/28 20060101ALI20090618BHEP
EP1975101 A3	20090729	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATION SCHEME : IPC CLASSIFICATION SYMBOL : B65H 18/00 20060101AFI20080715BHEP
EP1975101 A3	20100310	LSSE	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20100129
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EP1975101 B1	20121025	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : LT REF LEGAL EVENT CODE : MG4D EFFECTIVE DATE : 20120530

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EP1975101 B1	20130430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PREScribed TIME-LIMIT LAPSED DATE : 20120827
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EP1975101 B1	20131031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : MC NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20130331
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EP1975101 B1	20140131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20130331
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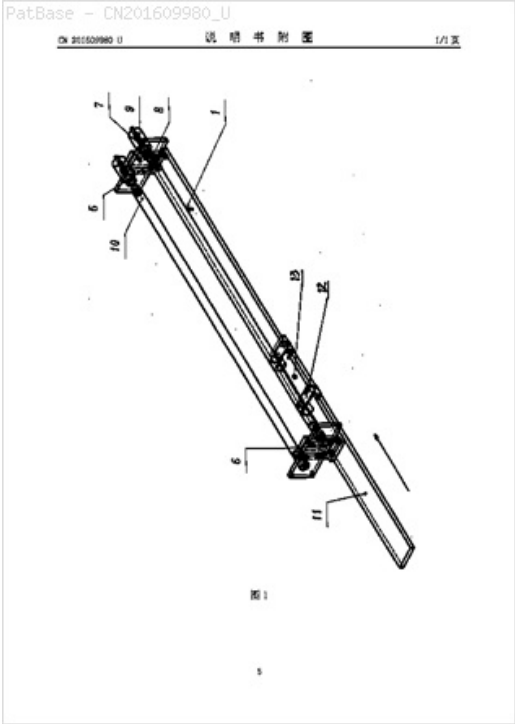
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EP1975101 B1	20150731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LU NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20130304
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EP1975101 B1	20170119	LSAS	REG	REFERENCE TO A NATIONAL CODE	PARTY TYPE : OWNER REF COUNTRY CODE : DE OWNER : HEIDELBERGER DRUCKMASCHINEN AG, DE REF LEGAL EVENT CODE : R081 REF DOCUMENT NUMBER : 502008007196 COUNTRY OF REF DOCUMENT : DE OLD PARTY : FORMER OWNER: HEIDELBERGER DRUCKMASCHINEN AKTIENGESELLSCHAFT, 69115 HEIDELBERG, DE
EP1975101 B1	20170131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20160304
EP1975101 B1	20170228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20160304
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JP2008239347 A2	20081009	LSPB	+	published / reissued	
JP2008239347 A2	20101127	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20101126

JP2008239347 A2	20120315	LSSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20120314
JP2008239347 A2	20120714	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20120713
JP2008239347 A2	20130307	LSRV	-A02	DECISION OF REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A02 EFFECTIVE DATE : 20130306
US2008241718 AA	20081002	LSPB	+	published / reissued	
US2008241718 AA	20080523	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : HEIDELBERGER DRUCKMACHINEN AG, GERMANY OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:WEBER, ALEXANDER; REEL/FRAME:020990/0038 EFFECTIVE DATE : 20080331
US2008241718 AA	20151002	LSWD	-ABD1	Abandoned -- After Examiner's Answer or Board of Appeals Decision	

Title: **Foil stamping machine** paper feeding device (Machine translation)

Abstract: Source: CN201609980U **Machine translation:** The utility model discloses an apparatus for feeding paper **foil stamping machine** includes a spindle (10), the spindle left fixing plate (6), the spindle right fixing plate (5) on the spindle, and mounted on the shaft at the right fixing plate There thimble (8), spring seat (7) and spring (9), said fixed plate and the spindle shaft left right fixing plates are mounted on the moving plate (1) on both sides of the edge, on the move Under the board, and the fixing plate at the left spindle with fixed lower plate (11). The movement between the upper plate and the fixed lower plate through the activities deduction (12) linked together, and moving the upper plate and the lower plate fixed by screws (13) are connected. When you need to install a new color replacement foil, loosen the screw, and then hand directly on the plate holding the ends of the mobile hard push it, remove the foil from the outside bronzing paper feeding device and then fully launched, pull open spindle replaced with a new color foil. The utility model replacement install a new color foil simple, convenient, safe, and less labor intensity and improve feeding efficiency.

Classifications:
International (IPC 8-9): B41F19/06 B41G1/00 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN201609980 U	20101020	CN201020132952U	20100211

Priority:
CN201020132952U 20100211

Probable Assignee: RUIAN CITY SUNRISE PRINTING MACHINERY CO LTD
Assignee(s): RUIAN CITY SUNRISE PRINTING MACHINERY CO LTD

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN201609980 U	20101020	LSGT	+	granted / extensions (spc, cpc, pte)	
CN201609980 U	20101020	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN201609980 U	20170329	LSLE	-CF01	TERMINATION OF PATENT RIGHT DUE TO NON-PAYMENT OF ANNUAL FEE	
CN201609980 U	20200211	PEXP		Calculated Patent Term Expiry	

Title: **Foil-stamping machine** that can accept stamping cylinders of different diameters

Abstract: PCT No. PCT/DE97/00527 Sec. 371 Date Sep. 17, 1998 Sec. 102(e) Date Sep. 17, 1998 PCT Filed Mar. 14, 1997 PCT Pub. No. WO97/35721 PCT Pub. Date Oct. 2, 1997A **foil-stamping machine** for applying patterns to sheets that can exchangeably accept stamping cylinders of different diameters. The stamping cylinder is exchanged by moving it in its axial direction. Sheet conveying means interact with the stamping cylinder and adapt to the diameter of the stamping cylinder. The stamping cylinder has at least one narrow suction strip extending in the axial direction and front marks arranged directly ahead of the suction strips for aligning the sheets on the stamping cylinder.

Classifications:

International (IPC 8-9): B41F13/44 B41F16/00
B41F19/06 (Advanced/Invention)

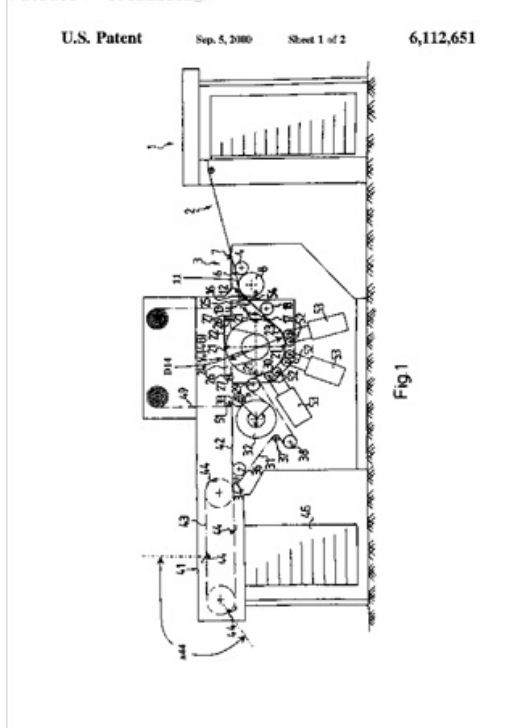
International (IPC 1-7): B29C59/04 B41F13/18 B41F13/44
B41F16/00 B41F19/02 B41F19/06 B41F21/06 B41F5/02 B44B5/00

CPC: B41F13/44 B41F19/062 B41P2217/11

European: B41F13/44 B41F19/06B L41P217/110

US: 101/216 101/25 101/27 101/407.1 101/479 101/480

PatBase - US6112651_A



Family:

Publication number	Publication date	Application number	Application date
AT193485 E	20000615	AT19970918026T	19970314
DE19611559 A1	19970925	DE19961011559	19960323
DE59701815 D1	20000706	DE19975001815	19970314
EP0888218 A1	19990107	EP19970918026	19970314
EP0888218 B1	20000531	EP19970918026	19970314
JP2000515440 T2	20001121	JP19970531363T	19970314
JP4065324 B2	20080326	JP19970531363	19970314
US6112651 A	20000905	US19980142934	19980917
WO9735721 A1	19971002	WO1997DE00527	19970314

Priority:

DE19961011559 19960323 DE19975001815 19970314 WO1997DE00527 19970314

Probable Assignee: KBA NOTASYS SA

Assignee(s): (std): DE LA RUE GIORI SA ; EITEL JOHANN EMIL ; KOENIG AND BAUER ALBERT AG ; SCHAEDE JOHANNES GEORG

Assignee(s): KOENIG AND BAUER ALBERT AKTIENGESELLSCHAFT 97080 W ; KOENIG AND BAUER ALBERT AKTIENGESELLSCHAFT ; KBA GIORI SA ; KBA NOTASYS SA ; KOENIG AND BAUER ALBERT AKTIENGESELLSCHAFT 97080 WUERZBURG DE ; DE LA RUE GIORI S A ; DE LA RUE GIORI S A LAUSANNE

Inventor(s): (std): EITEL JOHANN ; EITEL JOHANN EMIL ; SCHAEDE JOHANNES ; SCHAEDE JOHANNES GEORG ; SCHAEDE GEORG ; EITEL EMIL

Inventor(s): SCHAEDE JOHANNES 97074 WUERZBURG DE ; EITEL JOHANN 97289 THUENGEN DE

Designated states: AT BE CH DE DK ES FI FR GB GR IE IT JP LI LU MC NL PT SE US

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AT193485 E	20000615	LSGT	+	granted / extensions (spc, cpc, pte)	
AT193485 E	20170314	PEXP		Calculated Patent Term Expiry	
DE19611559 A1	19970925	LSPB	+	published / reissued	
DE19611559 A1	19970925	LSSES	+OP8	REQUEST FOR EXAMINATION AS TO	

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DE19611559 A1	19990325	LSAS	8127	NEW PERSON/NAME/ADDRESS OF THE APPLICANT	PARTYTYPE : OWNER OWNER : KOENIG & BAUER AG, 97080 WUERZBURG, DE
DE19611559 A1	19991209	LSAS	8127	NEW PERSON/NAME/ADDRESS OF THE APPLICANT	PARTYTYPE : OWNER OWNER : DE LA RUE GIORI S.A., LAUSANNE, CH
DE19611559 A1	20021031	LSWD	-8130	WITHDRAWAL	
DE59701815 D1	20170314	LSLE	-R071	EXPIRY OF RIGHT	
EP0888218 A1	19990107	LSPB	+	published / reissued	
EP0888218 A1	19990107	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 19981020
EP0888218 A1	19990707	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 19990519
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EP0888218 A1	20100415	LSAS	REG	REFERENCE TO A NATIONAL CODE	PARTYTYPE : OWNER REF COUNTRY CODE : CH OWNER : BA-GIORI S.A. REF LEGAL EVENT CODE : PFA OLDPARTY : KBA-GIORI S.A.#4, RUE DE LA PAIX#1003 LAUSANNE (CH) - TRANSFER TO- KBA-GIORI S.A.#AVENUE DU GREY 55 CASE POSTALE 347#1000 LAUSANNE 22 (CH)
EP0888218 A1	20110114	LSAS	REG	REFERENCE TO A NATIONAL CODE	PARTYTYPE : OWNER REF COUNTRY CODE : CH OWNER : KBA-NOTASYS SA REF LEGAL EVENT CODE : PFA OLDPARTY : KBA-GIORI S.A.#AVENUE DU GREY 55 CASE POSTALE 347#1000 LAUSANNE 22 (CH) - TRANSFER TO- KBA-NOTASYS SA#AVENUE DU GREY 55 CASE POSTALE 347#1000 LAUSANNE 22 (CH)
EP0888218 A1	20120209	LSAS	REG	REFERENCE TO A NATIONAL CODE	PARTYTYPE : OWNER REF COUNTRY CODE : DE OWNER : KBA-NOTASYS SA, CH REF LEGAL EVENT CODE : R081 REF DOCUMENT NUMBER : 59701815 COUNTRY OF REF DOCUMENT : DE OLDPARTY : FORMER OWNER: DE LA RUE GIORI S.A., LAUSANNE, CH EFFECTIVE DATE : 20111222
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EP0888218 B1	20170314	PEXP		Calculated Patent Term Expiry	
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JP2000515440 T2	20070927	LSAS	A72	NOTIFICATION OF CHANGE IN NAME OF APPLICANT	TEXT : JAPANESE INTERMEDIATE CODE: A721 EFFECTIVE DATE : 20070904
JP2000515440 T2	20071108	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20071016
JP2000515440 T2	20071127	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2000515440 T2	20071204	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20071204
JP2000515440 T2	20080110	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20080104
JP2000515440 T2	20080111	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	TEXT : JAPANESE INTERMEDIATE CODE: R150
JP2000515440 T2	20080117	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 3
JP4065324 B2	20080326	LSGT	+	granted / extensions (spc, cpc, pte)	
JP4065324 B2	20071206	LSGT	+A01	特許査定書 Decision of patent grant	
JP4065324 B2	20080108	LSFE	R100	特許料納付書 Patent fee payment form	
JP4065324 B2	20110106	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 3
JP4065324 B2	20110111	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 4
JP4065324 B2	20110922	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 4
JP4065324 B2	20110926	LSAS	S533	WRITTEN REQUEST FOR REGISTRATION OF CHANGE OF NAME	TEXT : JAPANESE INTERMEDIATE CODE: R313533
JP4065324 B2	20111004	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS	YEAR OF FEE PAYMENT : 4

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JP4065324 B2	20111004	LSAS	R350	WRITTEN NOTIFICATION OF REGISTRATION OF TRANSFER	TEXT : JAPANESE INTERMEDIATE CODE: R350	
JP4065324 B2	20111222	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 4	
JP4065324 B2	20120110	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 5	
JP4065324 B2	20130110	LSFE	R20	特許料納付書 Patent fee payment form		
JP4065324 B2	20130115	LSFE	+R250	年金領収書, 年金領収書 (分納) Pension receipt, annuity receipt (scheduled)		
JP4065324 B2	20140109	LSFE	R20	特許料納付書 Patent fee payment form		
JP4065324 B2	20140114	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250	
JP4065324 B2	20141225	LSFE	R20	特許料納付書 Patent fee payment form		
JP4065324 B2	20150106	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250	
JP4065324 B2	20160121	LSFE	R20	特許料納付書 Patent fee payment form		
JP4065324 B2	20160126	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250	
JP4065324 B2	20170126	LSFE	R20	特許料納付書 Patent fee payment form		
JP4065324 B2	20170131	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250	
JP4065324 B2	20170314	LSLE	-EXPY	CANCELLATION BECAUSE OF COMPLETION OF TERM		
JP4065324 B2	20170314	PEXP		Calculated Patent Term Expiry		
US6112651 A	20000905	LSGT	+	granted / extensions (spc, cpc, pte)		
US6112651 A	19980917	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : DE LA RUE GIORI S.A., SWITZERLAND OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:EITEL, JOHANN EMIL; SCHAEDE, JOHANNES GEORG; REEL/FRAME:009838/0917 EFFECTIVE DATE : 19980911	
US6112651 A	20000818	LSGT	PAT1	Patented Case		
US6112651 A	20010508	LSRE	CC	CERTIFICATE OF CORRECTION		
US6112651 A	20040227	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4	
US6112651 A	20080221	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8	
US6112651 A	20081231	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : KBA-GIORI S.A., SWITZERLAND OLDPARTY : CHANGE OF NAME; ASSIGNOR:DE LA RUE-GIORI S.A.; REEL/FRAME:022043/0260 EFFECTIVE DATE : 20010531	
US6112651 A	20110822	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : KBA-NOTASYS SA, SWITZERLAND OLDPARTY : CHANGE OF NAME; ASSIGNOR:KBA-GIORI S.A.; REEL/FRAME:026787/0038 EFFECTIVE DATE : 20101217	
US6112651 A	20120227	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 12	

US6112651 A	20180917	PEXP		Calculated Patent Term Expiry	
WO9735721 A1	19971002	LSPB	+	published / reissued	
WO9735721 A1	19980917	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 09142934 COUNTRY OF REF DOCUMENT : US
WO9735721 A1	19981020	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 1997918026 COUNTRY OF REF DOCUMENT : EP
WO9735721 A1	19990107	LSPB	+WWP	WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 1997918026 COUNTRY OF REF DOCUMENT : EP
WO9735721 A1	20000531	LSGT	+WWG	WIPO INFORMATION: GRANT IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 1997918026 COUNTRY OF REF DOCUMENT : EP

Title: STAMPING HEAD WITH PLANETARY GEAR MECHANISM

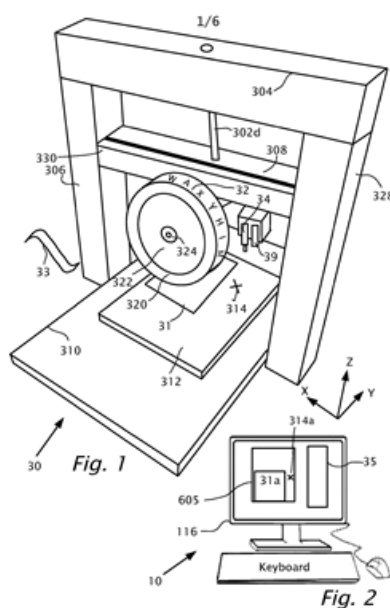
Abstract: A stamping head 320b suitable for a stamping or printing machine, comprising multiple dies 80 circumferentially distributed around a planetary rotation axis, the dies facing in a positive radial direction from the planetary rotation axis; a planetary gear 86 connected to each die so that the gear and the die rotate together around the planetary rotation axis; a central sun gear 85, intermeshing with the planetary gear, which rotates about a central axis; a carrier 87 that is driven rotationally around the central axis and a locking mechanism of the central gear, which when engaged prevents rotation of the central gear about the central axis. When the locking mechanism is engaged, the carrier when driven can drive the planetary rotation axis circumferentially around the central axis to revolve the planetary gear around the intermeshed central gear while the planetary gear and dies rotate around the planetary rotation axes. When the locking mechanism is disengaged, it can preferably allow rotation of the central gear and the carrier together, and disable revolution of the planetary gears around the central axis. The die mounts 80 are preferably polygonal prisms with a number of characters 32a. Also claimed is a stamping machine having a camera and a heating element to heat the stamp head, and a stamping head as defined in claim 1.

Classifications:

International (IPC 8-9): B41F16/00 B41K3/10 B41K3/12
B44B5/02 (Advanced/Invention)

CPC: B41F16/0066 B44B5/0076 B44B5/0095 B44B5/028 B41K3/10
B41K3/123

PatBase - GB2550915_A1

**Family:**

Publication number	Publication date	Application number	Application date
GB201609461 A0	20160713	GB20160009461	20160530
GB2550915 A1	20171206	GB20160009461	20160530

Priority:

GB20160009461 20160530

Probable Assignee:

MILLER YAKOV

Assignee(s): (std):

MILLER YAKOV ; YAKOV MILLER

Inventor(s): (std):

YAKOV MILLER

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
GB2550915 A1	20171206	LSPB	+	published / reissued	

Title: APPARATUS AND METHOD FOR DIE MOUNTING

Abstract: A method and apparatus for securing dies (112) having a magnetically permeable portion such as a steel backing sheet, to a baseplate (32, 61) is disclosed. The baseplate (32, 61) includes a plurality of magnets (120) arranged in lines with at least a partial overlap. In addition, a mechanical stop (40, 64) is provided to prevent the die (12) being dislodged from the baseplate. A further securing device (68) is provided to lock the baseplate (61) relative to a mounting plate (63) which supports the baseplate (61).

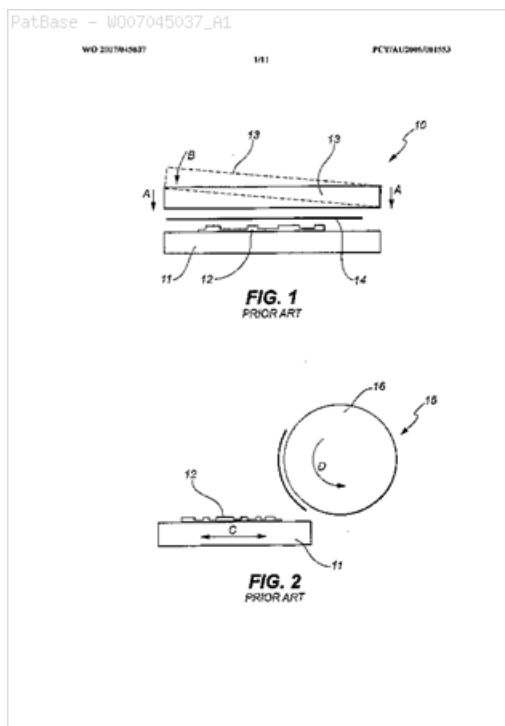
Classifications:

International (IPC 8-9): B41F27/02 B44B5/02 B44C1/24 B44C3/08 (Advanced/Invention);

B41F27/00 B44B5/00 B44C1/00 B44C3/00 (Core/Invention)

CPC: B26D7/2614 B26D2007/2607 B41F19/064 B41F27/02 B41P2219/31 B41P2219/32 B44B5/026 B44B5/028

European: B26D7/26B B41F19/06C B41F27/02 B44B5/02D B44B5/02W L26D7/26A L41P219/310 L41P219/320



Family:

Publication number	Publication date	Application number	Application date
AU2006303817 AA	20070426	AU20060303817	20061019
AU2006303817 BB	20120816	AU20060303817	20061019
WO07045037 A1	20070426	WO2006AU01553	20061019

Priority:

AU20050905855 20051021 AU20060901115 20060306 AU20060303817 20061019
WO2006AU01553 20061019

Probable Assignee: WATERMARX TECHNOLOGY PTY LTD

Assignee(s): (std): FAWCETT ALAN JOHN ; O DEA ANGELA MARY ; WATERMARX TECHNOLOGY PTY LTD

Assignee(s): WATERMARX TECHNOLOGY PTY LIMITED

Inventor(s): (std): FAWCETT ALAN JOHN ; O DEA ANGELA MARY

Inventor(s): ALAN JOHN FAWCETT ; ANGELA MARY O DEA

Agent(s): FRASER OLD AND SOHN

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AU2006303817 AA	20070426	LSPB	+	published / reissued	
AU2006303817 AA	20121213	LSGT	+FGA	LETTERS PATENT SEALED OR GRANTED (STANDARD PATENT)	
AU2006303817 AA	20170518	LSLE	-MK14	PATENT CEASED SECTION 143(A) (ANNUAL FEES NOT PAID) OR EXPIRED	
AU2006303817 BB	20120816	LSGT	+	granted / extensions (spc, cpc, pte)	
AU2006303817 BB	20261019	PEXP		Calculated Patent Term Expiry	
WO07045037 A1	20070426	LSPB	+	published / reissued	
WO07045037 A1	20080422	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE

WO07045037 A1	20080501	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2006303817 COUNTRY OF REF DOCUMENT : AU
WO07045037 A1	20080522	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2006303817 COUNTRY OF REF DOCUMENT : AU DATE OF REF DOCUMENT : 20061019 KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO07045037 A1	20080522	LSPB	+WWP	WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 2006303817 COUNTRY OF REF DOCUMENT : AU
WO07045037 A1	20081203	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE	REF DOCUMENT NUMBER : 06790404 COUNTRY OF REF DOCUMENT : EP KIND CODE OF REF DOCUMENT : A1 DESIGNATED STATE(S) :

Title: HOT FOIL STAMPING OR PRINTING DEVICE FOR TRANSFERRING SURFACE PORTIONS ONTO A FLAT MATERIAL

Abstract: The hot foil stamping mechanism (11) is used for the transfer of surface portions, such as holograms, etc., onto a flat material (1) in the form of a continuous web or sheet. The hot foil stamping mechanism (11) operating in rotary manner has two cooperating cylinders forming a working gap (14) between them. For maintaining constant and precisely adjusting the working gap (14) adjusting means (40) are provided, which have an adjustable adjusting element (44a -c) engaging between the cylinders (12, 13) and acting on the latter by means of running elements (41, 50). The running elements run on the cylinder. The adjusting means can be anti-friction bearings located on the cylinder journal (28). An adjusting element in the form of a wedge or the like supports the outer ring bearings against one another and consequently maintains a constant cylinder spacing.

Classifications:

International (IPC 8-9): B41F19/06 B41F21/00 B41F21/10

B44B5/00 (Advanced/Invention);

B41F19/00 B41F21/00 B44B5/00 (Core/Invention)

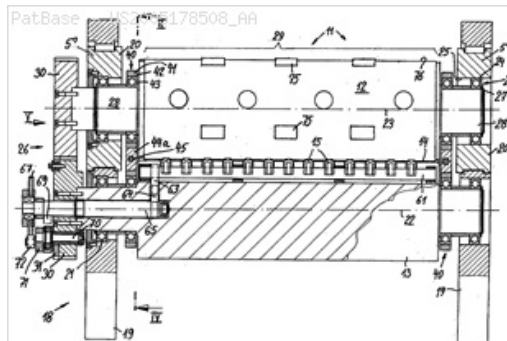
International (IPC 1-7): B30B5/04 B31F1/07 B32B31/04 B41F19/06

B41F21/00 B41F21/10 B44B5/00

CPC: Y10T156/1741 B41F19/062

European: B41F19/06B

US: 156/555 156/583.1



Family:

Publication number	Publication date	Application number	Application date
AT394227 E	20080515	AT20050001175T	20050121
DE102004004515 A1	20050811	DE200410004515	20040123
DE502005003939 D1	20080619	DE200550003939T	20050121
EP1579990 A1	20050928	EP20050001175	20050121
EP1579990 B1	20080507	EP20050001175	20050121
US2005178508 AA	20050818	US20050038476	20050121

Priority:

DE200410004515 20040123

Probable Assignee: STEUER GMBH PRINTING TECHNOLOGY

Assignee(s): (std): SCHOELLHORN PATRICK ; STEUER ARMIN ; STEUER GMBH PRINTING TECHNOLOG

Assignee(s): STEUER GMBH PRINTING TECHNOLOGY ; STEUER GMBH

Inventor(s): (std): SCHOELLHORN PATRICK ; STEUER ARMIN

Agent(s): POIRIER JEAN MICHEL SERGE; NATH AND ASSOCIATES PLLC

Designated states: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AT394227 E	20080515	LSGT	+	granted / extensions (spc, cpc, pte)	
AT394227 E	20100415	LSLE	-REN	CEASED DUE TO NON-PAYMENT OF THE ANNUAL FEE	
AT394227 E	20250121	PEXP		Calculated Patent Term Expiry	
DE102004004515 A1	20050811	LSPB	+	published / reissued	
DE102004004515 A1	20050811	LSES	+OM8	SEARCH REPORT AVAILABLE AS TO PARAGRAPH 43 LIT. 1 SENTENCE 1 PATENT LAW	
DE102004004515 A1	20110421	LSLE	-8141	DISPOSAL/NO REQUEST FOR EXAMINATION	
DE502005003939 D1	20090528	LSGT	+8364	NO OPPOSITION DURING TERM OF OPPOSITION	
EP1579990 A1	20050928	LSPB	+	published / reissued	
EP1579990 A1	20051102	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20050907
EP1579990 A1	20060614	LSFE	+AKX	DESIGNATION FEES PAID	COUNTRY OF REF DOCUMENT : AT COUNTRY OF REF DOCUMENT :

BE
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BG
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CH
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TR

EP1579990 A1	20170428	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20170117 YEAR OF FEE PAYMENT : 13
EP1579990 B1	20080507	LSGT	+	granted / extensions (spc, cpc, pte)	
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EP1579990 B1	20080530	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP1579990 B1	20080611	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D TEXT : LANGUAGE OF EP DOCUMENT: GERMAN
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EP1579990 B1	20081031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FI NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20080507
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				STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20080507
EP1579990 B1	20081031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20080818
EP1579990 B1	20081103	LSLE	-NLV1	NL: LAPSED OR ANNULLED DUE TO FAILURE TO FULFILL THE REQUIREMENTS OF ART. 29P AND 29M OF THE PATENTS ACT	REF COUNTRY CODE : EP
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EP1579990 B1	20090130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20080507
EP1579990 B1	20090130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20080507
EP1579990 B1	20090130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20081007
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EP1579990 B1	20090227	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : RO NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20080507
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EP1579990 B1	20090415	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20090210
EP1579990 B1	20090430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : EE NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20080507
EP1579990 B1	20090430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BG NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20080807
EP1579990 B1	20090831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : MC NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20090131
EP1579990 B1	20090831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20080507
EP1579990 B1	20090831	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL
EP1579990 B1	20091030	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20090131
EP1579990 B1	20091030	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LI NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20090131
EP1579990 B1	20100226	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BE NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20090131
EP1579990 B1	20100630	LSLE	-PG25	LAPSED IN A CONTRACTING	COUNTRY OF REF DOCUMENT : AT

				STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON- PAYMENT OF DUE FEES LAPSED DATE : 20090121
EP1579990 B1	20101029	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20080808
EP1579990 B1	20110429	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LU NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON- PAYMENT OF DUE FEES LAPSED DATE : 20090121
EP1579990 B1	20110630	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : HU NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20081108
EP1579990 B1	20110831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : TR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20080507
EP1579990 B1	20110930	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CY NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20080507
EP1579990 B1	20130430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20130116 YEAR OF FEE PAYMENT : 9
EP1579990 B1	20130430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20130215 YEAR OF FEE PAYMENT : 9
EP1579990 B1	20140924	LSLE	-GBPC	GB: EUROPEAN PATENT CEASED THROUGH NON- PAYMENT OF RENEWAL FEE	REF COUNTRY CODE : EP EFFECTIVE DATE : 20140121
EP1579990 B1	20141031	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : ST EFFECTIVE DATE : 20140930
EP1579990 B1	20141128	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON- PAYMENT OF DUE FEES LAPSED DATE : 20140121
EP1579990 B1	20141128	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON- PAYMENT OF DUE FEES LAPSED DATE : 20140131
EP1579990 B1	20180430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20180110 YEAR OF FEE PAYMENT : 14
EP1579990 B1	20250121	PEXP		Calculated Patent Term Expiry	

US2005178508 AA	20050818	LSPB	+	published / reissued	
US2005178508 AA	20050811	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : STEUER GMBH PRINTING TECHNOLOGY, GERMANY OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:STEUER, ARMIN; SCHOELLHORN, PATRICK; REEL/FRAME:016877/0058; SIGNING DATES FROM 20050126 TO 20050127
US2005178508 AA	20071113	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	

Title: METHOD FOR DECORATING THE SIDES OF PLASTIC CARDS

Abstract: The invention relates to a method for decorating the sides of plastic cards by means of hot foil stamping and the die for coupling to the heating head of a hot **foil stamping machine** in order to carry out said method. To this end, a plurality of plastic cards is placed in the supporting cradle of the stamping machine in such a way that the first shortest side of said plastic cards faces the die, a hot foil stamping being carried out on the shortest sides of the plastic cards.

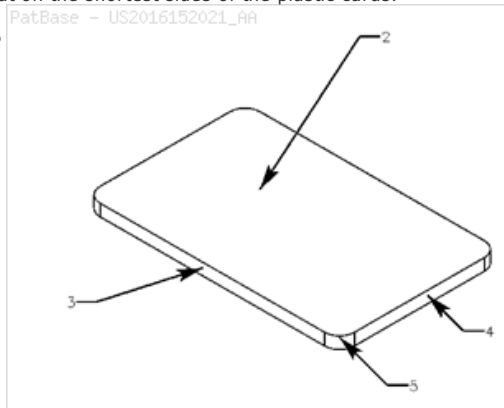
Classifications:

International (IPC 8-9): B41F16/00 B41F17/14 B41F19/02 B41F19/06 B42D25/00 B42D25/40 B44C1/17 G06K19/00 (Advanced/Invention); B42D15/10 (Advanced/Non-invention)

CPC: B41F17/14 B41F19/02 B41F16/0046 B41F16/0073 B42D25/00 B41F19/06 B44C1/1729 G06K19/00 B41F16/008 B41F19/062 B41F19/064 B42D25/40

US: 101/27 101/32 428/192

PatBase - US2016152021_AA



Family:

Publication number	Publication date	Application number	Application date
CL2016000242 A1	20160916	CL20160000242	20160129
CN105813848 A	20160727	CN201480055030	20140801
CN105813848 B	20180116	CN201480055030	20140801
CO16023737 A2	20160630	CO20160023737	20160202
DE602014031379 D1	20180927	DE201460031379T	20140801
DK3031615 T3	20181210	DK20140771347T	20140801
EP3031615 A2	20160615	EP20140771347	20140801
EP3031615 B1	20180829	EP20140771347	20140801
ES2430405 AA	20131120	ES20130031233	20130806
ES2430405 BA	20140603	ES20130031233	20130806
HR20181614 T1	20181214	HR20180001614	20181005
LT3031615 T	20181112	LT20140771347T	20140801
MX2016001362 A1	20160407	MX20160001362	20140801
PL3031615 T3	20190228	PL20140771347T	20140801
TR201817761 T4	20181221	TR20180017761T	20140801
US2016152021 AA	20160602	US20140651786	20140801
US2018345655 AA	20181206	US20180059187	20180809
US10245824 BB	20190402	US20180059187	20180809
WO15018959 A2	20150212	WO2014ES70632	20140801
WO15018959 A3	20150430	WO2014ES70632	20140801

Priority:

ES20130031233 20130806 EP20140771347 20140801 WO2014ES70632 20140801
US20150651786 20150612 US20180059187 20180809

Probable Assignee: SMART LAYER 3 SL

Assignee(s): (std): SMART LAYER 3 S L

Assignee(s): SMART LAYER 3 SL ; SMART LAYER 3 SL HOSPITALET DE LLOBREGAT

Inventor(s): (std): SALETA ALBERT ARQUE ; ARQUE SALETA ALBERT

Inventor(s): ALBERT ARQUE SALETA

Agent(s): JARRY IP JARRY IP SPA; JESUS MARIA MENDEZ BERMUDEZ; ISERN JARA NURIA; ISERN PATENTES Y MARCAS SL; ISERN JORGE; TOLGA CAYLAK; HITAFER THEDFORD I; HITAFER AND HITAFER PLLC; ISERN JARA JORGE

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CL2016000242 A1	20160916	LSPB	+	published / reissued	
CN105813848 A	20160727	LSPB	+	published / reissued	
CN105813848 A	20160727	LSPB	+C06	PUBLICATION	
CN105813848 B	20180116	LSGT	+	granted / extensions (spc, cpc, pte)	

CN105813848 B	20180116	LSGT	+GR01	PATENT GRANT	
CN105813848 B	20340801	PEXP		Calculated Patent Term Expiry	
CO16023737 A2	20160630	LSPB	+	published / reissued	
DK3031615 T3	20181210	LSGT	+	granted / extensions (spc, cpc, pte)	
DK3031615 T3	20340801	PEXP		Calculated Patent Term Expiry	
EP3031615 A2	20160615	LSPB	+	published / reissued	
EP3031615 A2	20160615	LSSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20160304
EP3031615 A2	20180502	LSGT	+INTG	INTENTION TO GRANT ANNOUNCED	EFFECTIVE DATE : 20180404
EP3031615 B1	20180829	LSGT	+	granted / extensions (spc, cpc, pte)	
EP3031615 B1	20180829	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D
EP3031615 B1	20180831	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
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EP3031615 B1	20180919	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D
EP3031615 B1	20180927	LSPB	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R096 REF DOCUMENT NUMBER : 602014031379 COUNTRY OF REF DOCUMENT : DE
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EP3031615 B1	20190131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GR NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20181130
EP3031615 B1	20190204	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : NO REF LEGAL EVENT CODE : T2 EFFECTIVE DATE : 20180829
EP3031615 B1	20190228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AL NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180829
EP3031615 B1	20190328	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : HU REF LEGAL EVENT CODE : AG4A REF DOCUMENT NUMBER : E040591 COUNTRY OF REF DOCUMENT : HU
EP3031615 B1	20340801	PEXP		Calculated Patent Term Expiry	
ES2430405 AA	20131120	LSPB	+	published / reissued	

ES2430405 BA	20140603	LSGT	+	granted / extensions (spc, cpc, pte)	
ES2430405 BA	20140603	LSGT	+FG2A	DEFINITIVE PROTECTION	REF DOCUMENT NUMBER : 2430405 COUNTRY OF REF DOCUMENT : ES KIND CODE OF REF DOCUMENT : B1 DESIGNATED STATE(S) : EFFECTIVE DATE : 20140603
ES2430405 BA	20330806	PEXP		Calculated Patent Term Expiry	
HR20181614 T1	20181214	LSPB	+	published / reissued	
LT3031615 T	20181112	LSGT	+	granted / extensions (spc, cpc, pte)	
LT3031615 T	20340801	PEXP		Calculated Patent Term Expiry	
MX2016001362 A1	20160407	LSPB	+	published / reissued	
PL3031615 T3	20190228	LSGT	+	granted / extensions (spc, cpc, pte)	
TR201817761 T4	20181221	LSGT	+	granted / extensions (spc, cpc, pte)	
TR201817761 T4	20340801	PEXP		Calculated Patent Term Expiry	
US10245824 BB	20190402	LSGT	+	granted / extensions (spc, cpc, pte)	
US10245824 BB	20190313	LSGT	PAT1	Patented Case	
US10245824 BB	20380809	PEXP		Calculated Patent Term Expiry	
US2016152021 AA	20160602	LSPB	+	published / reissued	
US2016152021 AA	20150612	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SMART LAYER 3, S.L., SPAIN OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:ARQUE SALETA, ALBERT; REEL/FRA:035827/0852 EFFECTIVE DATE : 20150612
US2016152021 AA	20170629	LSES	NFA1	Non Final Action Mailed	
US2016152021 AA	20180829	LSAL	NAF1	Notice of Appeal Filed	
US2016152021 AA	20190314	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2018345655 AA	20181206	LSPB	+	published / reissued	
US2018345655 AA	20180809	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SMART LAYER 3, S.L., SPAIN OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:ARQUE SALETA, ALBERT; REEL/FRA:046595/0232 EFFECTIVE DATE : 20151206
US2018345655 AA	20181228	LSES	+NAM1	Notice of Allowance Mailed -- Application Received in Office of Publications	
US2018345655 AA	20190212	LSFE	+PPV1	Publications -- Issue Fee Payment Verified	
WO15018959 A2	20150212	LSPB	+	published / reissued	
WO15018959 A3	20150612	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 14651786 COUNTRY OF REF DOCUMENT : US

WO15018959 A3	20160129	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : MX/A/2016/001362 COUNTRY OF REF DOCUMENT : MX
WO15018959 A3	20160202	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 16023737 COUNTRY OF REF DOCUMENT : CO
WO15018959 A3	20160208	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO15018959 A3	20160303	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2014771347 COUNTRY OF REF DOCUMENT : EP

Title: WORK HOLDING FIXTURE FOR **FOIL STAMPING MACHINES**

Abstract: (Claim 1) 1. The combination with a foil stamping machine having a stamping head adapted to carry a line of type, of a holding fixture for tubular or rod-like work-pieces, comprising: a base block having a longitudinally extending anvil channel, and a pair of transversely extending cross channels, one near each extremity of said anvil channel; an anvil fitting said anvil channel and traversing said cross channels, said anvil having means for supporting a tubular or rod-like work piece in registry with said line of type; roller bars disposed in alignment with said cross channels and cooperating with the end portions of said anvil to depress said work piece; guide jaws slidable in said cross channels and guided in part by said roller bars, said guide jaws adapted to extend over the end portions of said anvil to engage the sides of said work piece thereby to center said work-piece on said anvil; and means for advancing and retracting said guide jaws.

Classifications:

International (IPC 8-9): B44B5/00 B44B5/02 (Advanced/Invention); B44B5/00 (Core/Invention)

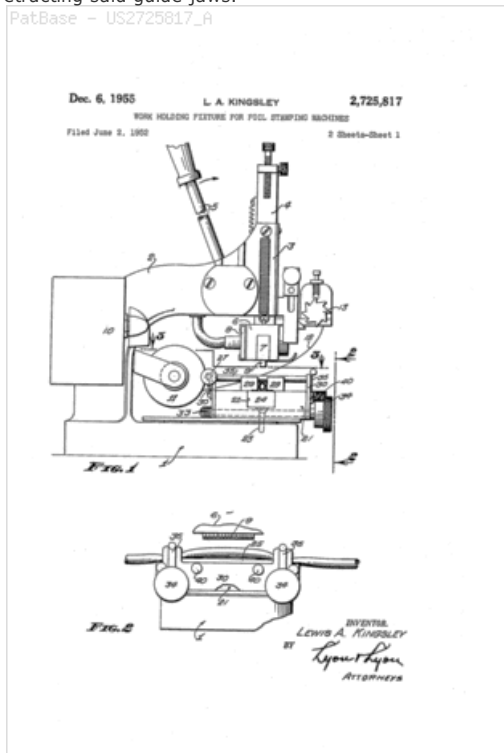
International (IPC 1-7): B41F17/10 B44B5/00

CPC: Y10S101/39 B44B5/0023 B44B5/0071 B44B5/022 B44B5/028

European: B44B5/00A4 B44B5/00E B44B5/02B B44B5/02W

US: 101/27 101/41 101/474 101/DIG.39

PatBase - US2725817_A



Family:

Publication number	Publication date	Application number	Application date
US2725817 A	19551206	US19520291222	19520602

Priority:

US19520291222 19520602

Probable Assignee:

KINGSLEY LEWIS A

Assignee(s): (std):

KINGSLEY LEWIS A

Inventor(s): (std):

KINGSLEY LEWIS A

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US2725817 A	19551206	LSGT	+	granted / extensions (spc, cpc, pte)	

Title: Devices and method for conveyance of sheets

Abstract: PCT No. PCT/DE97/00521 Sec. 371 Date Sep. 17, 1998 Sec. 102(e) Date Sep. 17, 1998 PCT Filed Mar. 14, 1997 PCT Pub. No. WO97/35794 PCT Pub. Date Oct. 2, 1997A device for conveying sheets in a sheet-processing machine uses a processing cylinder having a circumferential speed. Conveyor belts cooperate with the cylinder for transporting sheets with the belts arranged between the processing cylinder and a chain conveyor with a gripper system. A ratio between the transportation speed of the processing cylinder can be changed by use of a drive of the conveyor belts in order to vary the distance between successive sheets.

Classifications:

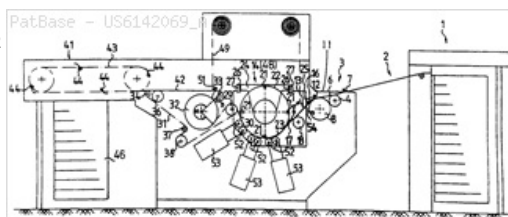
International (IPC 8-9): B41F13/02 B41F13/44 B41F17/00 B41F19/02 B41F19/06 B65H23/18 B65H29/16 B65H5/00 B65H5/02 B65H5/06 B65H5/22 (Advanced/Invention); B41F13/00 B41F13/02 B41F17/00 B41F19/00 B65H23/18 B65H29/16 B65H5/00 B65H5/02 B65H5/06 B65H5/22 (Core/Invention)

International (IPC 1-7): B31F1/07 B41F1/07 B41F13/02 B41F13/44 B41F17/00 B41F19/02 B65H23/18 B65H29/04 B65H29/16 B65H29/66 B65H29/68 B65H5/00 B65H5/02 B65H5/06 B65H5/22 B65H5/24 B65H9/02

CPC: B41F19/062 B65H5/021

European: B41F19/06B B65H5/02B

US: 101/25 101/35 101/488



Family:

Publication number	Publication date	Application number	Application date
AT194812 E	20000815	AT19970920513T	19970314
DE19611560 A1	19970925	DE19961011560	19960323
DE59702059 D1	20000824	DE19975002059	19970314
EP0888239 A1	19990107	EP19970920513	19970314
EP0888239 B1	20000719	EP19970920513	19970314
JP2000515469 T2	20001121	JP19970533928T	19970314
JP2008120602 A2	20080529	JP20080033720	20080214
JP4673384 B2	20110420	JP20080033720	20080214
US6142069 A	20001107	US19980142920	19980917
WO9735794 A1	19971002	WO1997DE00521	19970314

Priority:

DE19961011560 19960323 DE19975002059 19970314 JP19970533928 19970314
WO1997DE00521 19970314

Probable Assignee: KBA NOTASYS SA

Assignee(s): (std): DE LA RUE GIORI SA ; EITEL JOHANN EMIL ; KOENIG AND BAUER ALBERT AG ; SCHAEDE JOHANNES GEORG ; KBA GIORI SA

Assignee(s): KBA NOTASYS SA ; KOENIG AND BAUER ALBERT AKTIENGESELLSCHAFT 97080 WUERZBURG DE ; KOENIG AND BAUER ALBERT AKTIENGESELLSCHAFT 97080 W ; KOENIG AND BAUER ALBERT AKTIENGESELLSCHAFT ; DE LA RUE GIORI S A ; DE LA RUE GIORI S A LAUSANNE

Inventor(s): (std): EITEL EMIL ; EITEL JOHANN ; SCHAEDE GEORG ; SCHAEDE JOHANNES ; SCHAEDE JOHANNES GEORG ; EITEL JOHANN EMIL

Inventor(s): EITEL JOHANN 97289 THUENGEN DE ; SCHAEDE JOHANNES 97074 WUERZBURG DE

Designated states: AT BE CH DE DK ES FI FR GB GR IE IT JP LI LU MC NL PT SE US

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AT194812 E	20000815	LSGT	+	granted / extensions (spc, cpc, pte)	
AT194812 E	20170314	PEXP		Calculated Patent Term Expiry	
DE19611560 A1	19970925	LSPB	+	published / reissued	
DE19611560 A1	19970925	LSSES	+OP8	REQUEST FOR EXAMINATION AS TO PARAGRAPH 44 PATENT LAW	
DE19611560 A1	19990325	LSAS	8127	NEW PERSON/NAME/ADDRESS OF THE APPLICANT	PARTYTYPE : OWNER OWNER : KOENIG & BAUER AG, 97080 WUERZBURG, DE
DE19611560 A1	19991209	LSAS	8127	NEW PERSON/NAME/ADDRESS OF THE APPLICANT	PARTYTYPE : OWNER OWNER : DE LA RUE GIORI S.A., LAUSANNE, CH
DE19611560 A1	20030116	LSLE	-8139	DISPOSAL/NON-PAYMENT OF THE ANNUAL FEE	
DE59702059 D1	20010809	LSGT	+8364	NO OPPOSITION DURING TERM OF OPPOSITION	
DE59702059 D1	20170314	LSLE	-R071	EXPIRY OF RIGHT	
EP0888239 A1	19990107	LSPB	+	published / reissued	

EP0888239 A1	19990107	LSSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 19981020
EP0888239 A1	19990526	LSSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 19990412
EP0888239 A1	19991006	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	TEXT : 6B 65H 5/00 A, 6B 65H 23/18 B, 6B 65H 29/16 B, 6B 41F 13/02 B, 6B 41F 19/02 B
EP0888239 A1	19991006	LSRE	RTI1	TITLE (CORRECTION)	TEXT : DEVICE FOR CONVEYANCE OF SHEETS
EP0888239 A1	20000731	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP0888239 A1	20010704	LSGT	+26N	NO OPPOSITION FILED	
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EP0888239 A1	20110114	LSAS	REG	REFERENCE TO A NATIONAL CODE	PARTYTYPE : OWNER REF COUNTRY CODE : CH OWNER : KBA-NOTASYS SA REF LEGAL EVENT CODE : PFA OLDPARTY : KBA-GIORI S.A.#AVENUE DU GREY 55 CASE POSTALE 347#1000 LAUSANNE 22 (CH) - TRANSFER TO- KBA-NOTASYS SA#AVENUE DU GREY 55 CASE POSTALE 347#1000 LAUSANNE 22 (CH)
EP0888239 A1	20120209	LSAS	REG	REFERENCE TO A NATIONAL CODE	PARTYTYPE : OWNER REF COUNTRY CODE : DE OWNER : KBA-NOTASYS SA, CH REF LEGAL EVENT CODE : R081 REF DOCUMENT NUMBER : 59702059 COUNTRY OF REF DOCUMENT : DE OLDPARTY : FORMER OWNER: DE LA RUE GIORI S.A., LAUSANNE, CH EFFECTIVE DATE : 20111222
EP0888239 A1	20120615	LSAS	REG	REFERENCE TO A NATIONAL CODE	PARTYTYPE : OWNER REF COUNTRY CODE : AT OWNER : KBA-NOTASYS SA, CH REF LEGAL EVENT CODE : HC REF DOCUMENT NUMBER : 194812 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20120419
EP0888239 A1	20140430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SE PAYMENT DATE : 20140324 YEAR OF FEE PAYMENT : 18
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EP0888239 A1	20150123	LSAS	REG	REFERENCE TO A NATIONAL CODE	PARTYTYPE : OWNER REF COUNTRY CODE : FR OWNER : KBA-NOTASYS SA, CH REF LEGAL EVENT CODE : CD EFFECTIVE DATE : 20141223
EP0888239 A1	20150319	LSFE	REG	REFERENCE TO A NATIONAL CODE	COUNTRY OF REF DOCUMENT : FR REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 19

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EP0888239 A1	20150529	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20150319 YEAR OF FEE PAYMENT : 19
EP0888239 A1	20150529	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20150319 YEAR OF FEE PAYMENT : 19
EP0888239 A1	20151115	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : MM01 REF DOCUMENT NUMBER : 194812 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20150314
EP0888239 A1	20151130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20150315
EP0888239 A1	20151201	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : SE REF LEGAL EVENT CODE : EUG
EP0888239 A1	20160229	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20150314
EP0888239 A1	20160429	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20160205 YEAR OF FEE PAYMENT : 20
EP0888239 A1	20160429	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH PAYMENT DATE : 20160222 YEAR OF FEE PAYMENT : 20
EP0888239 A1	20161123	LSLE	-GBPC	GB: EUROPEAN PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE	REF COUNTRY CODE : EP EFFECTIVE DATE : 20160314
EP0888239 A1	20161230	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : ST EFFECTIVE DATE : 20161130
EP0888239 A1	20170131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20160331
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EP0888239 A1	20170331	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL

EP0888239 B1	20000719	LSGT	+	granted / extensions (spc, cpc, pte)	
EP0888239 B1	20170314	PEXP		Calculated Patent Term Expiry	
JP2000515469 T2	20001121	LSPB	+	published / reissued	
JP2000515469 T2	20040401	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20040312
JP2000515469 T2	20040401	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20040312
JP2000515469 T2	20060718	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20060718
JP2000515469 T2	20070201	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20070115
JP2000515469 T2	20070403	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20070403
JP2000515469 T2	20070726	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20070703
JP2000515469 T2	20070927	LSAS	A72	NOTIFICATION OF CHANGE IN NAME OF APPLICANT	TEXT : JAPANESE INTERMEDIATE CODE: A721 EFFECTIVE DATE : 20070904
JP2000515469 T2	20071016	LSRV	-A02	DECISION OF REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A02 EFFECTIVE DATE : 20071016
JP2000515469 T2	20080116	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20080115
JP2000515469 T2	20080312	LSAL	A911	TRANSFER OF RECONSIDERATION BY EXAMINER BEFORE APPEAL (ZENCHI)	TEXT : JAPANESE INTERMEDIATE CODE: A911 EFFECTIVE DATE : 20080313
JP2000515469 T2	20080415	LSAL	-A912	REMOVAL OF RECONSIDERATION BY EXAMINER BEFORE APPEAL (ZENCHI)	TEXT : JAPANESE INTERMEDIATE CODE: A912 EFFECTIVE DATE : 20080410
JP2008120602 A2	20080529	LSPB	+	published / reissued	
JP4673384 B2	20110420	LSGT	+	granted / extensions (spc, cpc, pte)	
JP4673384 B2	20080215	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20080214
JP4673384 B2	20090318	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20090317
JP4673384 B2	20090917	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20090916
JP4673384 B2	20100310	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20100309
JP4673384 B2	20100813	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20100812
JP4673384 B2	20101214	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP4673384 B2	20101222	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20101221
JP4673384 B2	20101224	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01

JP4673384 B2	20110125	LSFE	R100	特許料納付書 Patent fee payment form	
JP4673384 B2	20110127	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20110120
JP4673384 B2	20110128	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	TEXT : JAPANESE INTERMEDIATE CODE: R150
JP4673384 B2	20110131	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 3
JP4673384 B2	20110922	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 3
JP4673384 B2	20110926	LSAS	S533	WRITTEN REQUEST FOR REGISTRATION OF CHANGE OF NAME	TEXT : JAPANESE INTERMEDIATE CODE: R313533
JP4673384 B2	20111004	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 3
JP4673384 B2	20111004	LSAS	R350	WRITTEN NOTIFICATION OF REGISTRATION OF TRANSFER	TEXT : JAPANESE INTERMEDIATE CODE: R350
JP4673384 B2	20140109	LSFE	R20	特許料納付書 Patent fee payment form	
JP4673384 B2	20140114	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP4673384 B2	20141225	LSFE	R20	特許料納付書 Patent fee payment form	
JP4673384 B2	20150106	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP4673384 B2	20160128	LSFE	R20	特許料納付書 Patent fee payment form	
JP4673384 B2	20160202	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP4673384 B2	20170209	LSFE	R20	特許料納付書 Patent fee payment form	
JP4673384 B2	20170214	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP4673384 B2	20170314	LSLE	-EXPY	CANCELLATION BECAUSE OF COMPLETION OF TERM	
JP4673384 B2	20280214	PEXP		Calculated Patent Term Expiry	
US6142069 A	20001107	LSGT	+	granted / extensions (spc, cpc, pte)	
US6142069 A	19980917	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : DE LA RUE GIORI S.A., SWITZERLAND OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:EITEL, JOHANN EMIL; SCHAEDE, JOHANNES GEORG; REEL/FRAME:009627/0733 EFFECTIVE DATE : 19980911
US6142069 A	20001020	LSGT	PAT1	Patented Case	
US6142069 A	20040915	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US6142069 A	20080424	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US6142069 A	20081231	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : KBA-GIORI S.A., SWITZERLAND OLDPARTY : CHANGE OF NAME; ASSIGNOR:DE LA RUE-GIORI S.A.; REEL/FRAME:022043/0260 EFFECTIVE DATE : 20010531
US6142069 A	20110822	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : KBA-NOTASYS SA,

SWITZERLAND
 OLD PARTY : CHANGE OF
 NAME; ASSIGNOR:KBA-GIORI
 S.A.;
 REEL/FRA:026787/0038
 EFFECTIVE DATE : 20101217

US6142069 A	20120428	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 12
US6142069 A	20180917	PEXP		Calculated Patent Term Expiry	
WO9735794 A1	19971002	LSPB	+	published / reissued	
WO9735794 A1	19980917	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 09142920 COUNTRY OF REF DOCUMENT : US
WO9735794 A1	19981020	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 1997920513 COUNTRY OF REF DOCUMENT : EP
WO9735794 A1	19990107	LSPB	+WWP	WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 1997920513 COUNTRY OF REF DOCUMENT : EP
WO9735794 A1	20000719	LSGT	+WWG	WIPO INFORMATION: GRANT IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 1997920513 COUNTRY OF REF DOCUMENT : EP

Title: DIE PLATE FOR A **FOIL STAMPING MACHINE**

Abstract: A die plate (14) to be used in a **foil stamping machine** (10). The die plate (14) includes a plate steel back (20) to which there is secured an image layer (21). The image layer (21) is secured to the plate steel back (20) by means of a compressible adhesive (22). Preferably, the adhesive (22) is an acrylic polymer. The image layer (21) is formed of metal such as brass, steel, copper, zinc, aluminium, magnesium, or photo-polymer.

Classifications:

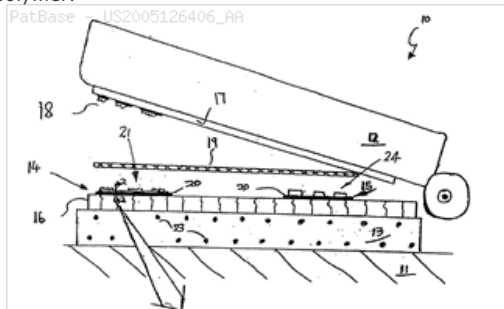
International (ipc 8-9): B21D33/00 B41F16/00 B41F27/00
B41F27/02 B41F27/04 B44B5/00 B44B5/02 B44C1/14
B44C1/24 (Advanced/Invention);
B21D33/00 B41F16/00 B41F27/00 B44B5/00
B44C1/00 (Core/Invention)

International (ipc 1-7): B21D33/00 B41F16/00 B41F27/00
B41F27/02 B41F27/04 B44B5/02 B44C1/14 B44C1/24

CPC: B44B5/0071 B44B5/026

European: B44B5/00E B44B5/02D

US: 101/28 101/382.1



Family:

Publication number	Publication date	Application number	Application date
AU184702 A0	20020530	AU2002PS01847	20020419
AU2002001847 A0	20020530	AU2002PS01847	20020419
AU2002009859 A0	20020131	AU2002PR09859	20020107
AU2003201389 AA	20030724	AU20030201389	20030107
AU2003201389 BB	20061116	AU20030201389	20030107
AU985902 A0	20020131	AU2002PR09859	20020107
BRPI0306793 A	20041207	BR2003PI06793	20030107
CA2472623 AA	20040707	CA20032472623	20030107
CN1635954 A	20050706	CN20038004183	20030107
EP1472093 A1	20041103	EP20030700079	20030107
EP1472093 A4	20080430	EP20030700079	20030107
HU0402306 AB	20050329	HU20040002306	20030107
JP2005514235 T2	20050519	JP20030557826T	20030107
MXPA04006628 A1	20050608	MX2004PA06628	20030107
US2005126406 AA	20050616	US20030500947	20030107
WO03057487 A1	20030717	WO2003AU00012	20030107
WO03057487 C2	20030821	WO2003AU00012	20030107

Priority:

AU2002PR09859 20020107 AU2002PS01847 20020419 AU20030201389 20030107
WO2003AU00012 20030107

Probable Assignee: TMS TECHNOLOGIES INC

Assignee(s): (std): ALAN JOHN FAWCETT ; FAWCETT A J ; FAWCETT ALAN ; FAWCETT ALAN J ; FAWCETT ALAN JOHN ; TMS TECHNOLOGIES INC ; WRIGHT G L ; WRIGHT GLEN LAWRENCE ; WRIGHT ; WRIGHT GLEN L

Assignee(s): WRIGHT GLENN LAWRENCE ; GLEN LAWRENCE WRIGHT

Inventor(s): (std): FAWCETT ALAN JOHN ; GLEN LAWRENCE WRIGHT ; WRIGHT GLEN LAWRENCE ; WRIGHT GLENN LAWRENCE ; WRIGHT GLEN L ; FAWCETT ALAN J ; ALAN JOHN FAWCETT

Inventor(s): WRIGHT GLEN ; FAWCETT ALAN

Agent(s): SPRUSON AND FERGUSON; RIDOUT AND MAYBEE LLP; TOWNSEND AND TOWNSEND AND CREW LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ OM PH PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AU2003201389 AA	20030724	LSPB	+	published / reissued	
AU2003201389 AA	20050120	LSAS	PC1	ASSIGNMENT BEFORE GRANT (SECT. 113)	PARTYTYPE : OWNER OWNER : TMS TECHNOLOGIES INC. OLDPARTY : FORMER APPLICANT(S): FAWCETT, ALAN; WRIGHT, GLEN
AU2003201389 BB	20061116	LSGT	+	granted / extensions (spc, cpc, pte)	
AU2003201389 BB	20061207	LSRE	DA3	AMENDMENTS MADE SECTION 104	TEXT : THE NATURE OF THE AMENDMENT IS: AMEND CO-INVENTOR NAME FROM WRIGHT, GLEN LAWRENCE TO WRIGHT, GLENN LAWRENCE
AU2003201389 BB	20070315	LSGT	+FGA	LETTERS PATENT SEALED OR GRANTED	

				(STANDARD PATENT)	
AU2003201389 BB	20080731	LSLE	-MK14	PATENT CEASED SECTION 143(A) (ANNUAL FEES NOT PAID) OR EXPIRED	
AU2003201389 BB	20230107	PEXP		Calculated Patent Term Expiry	
BRPI0306793 A	20041207	LSPB	+	published / reissued	
BRPI0306793 A	20100330	LSFE	-B08F	APPLICATION FEES: DISMISSAL - ARTICLE 86 OF INDUSTRIAL PROPERTY LAW	TEXT : REFERENTE A 60 E 70 ANUIDADE.
BRPI0306793 A	20110412	LSLE	-B08K	LAPSE AS NO EVIDENCE OF PAYMENT OF THE ANNUAL FEE HAS BEEN FURNISHED TO INPI (ACC. ART. 87)	TEXT : REFERENTE AO DESPACHO 8.6 PUBLICADO NA RPI 2047 DE 30/03/2010.
CA2472623 AA	20040707	LSPB	+	published / reissued	
CA2472623 AA	20090107	LSLE	-FZDE	DEAD	
CN1635954 A	20050706	LSPB	+	published / reissued	
CN1635954 A	20050706	LSPB	+C06	PUBLICATION	
CN1635954 A	20051026	LSAS	ASS	SUCCESSION OR ASSIGNMENT OF PATENT RIGHT	PARTYTYPE : OWNER OWNER : TMS TECHNOLOGY CO., LTD. OLDPARTY : FORMER OWNER: FAWCETT ALAN J.
CN1635954 A	20051026	LSAS	ASS	SUCCESSION OR ASSIGNMENT OF PATENT RIGHT	TEXT : FORMER OWNER: WRIGHT GLEN L. EFFECTIVE DATE : 20050923
CN1635954 A	20051026	LSAS	C41	TRANSFER OF PATENT APPLICATION OR PATENT RIGHT OR UTILITY MODEL	
CN1635954 A	20080227	LSDW	-C20	PATENT RIGHT OR UTILITY MODEL DEEMED TO BE ABANDONED OR IS ABANDONED	
EP1472093 A1	20041103	LSPB	+	published / reissued	
EP1472093 A1	20041103	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20040804
EP1472093 A1	20050831	LSAS	RAP1	RIGHTS OF AN APPLICATION TRANSFERRED	PARTYTYPE : OWNER OWNER : TMS TECHNOLOGIES INC.
EP1472093 A4	20080430	LSES	+A4	SUPPLEMENTARY SEARCH REPORT DRAWN UP AND DESPATCHED	EFFECTIVE DATE : 20080402
EP1472093 A4	20081231	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	EFFECTIVE DATE : 20080702
HU0402306 AB	20050329	LSPB	+	published / reissued	
HU0402306 AB	20080929	LSLE	-FD9A	LAPSE OF PROVISIONAL PROTECTION DUE TO NON-PAYMENT OF FEES	
JP2005514235 T2	20050519	LSPB	+	published / reissued	
JP2005514235 T2	20060107	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20060106
JP2005514235 T2	20060815	LSAS	A711	NOTIFICATION OF CHANGE IN APPLICANT	TEXT : JAPANESE INTERMEDIATE CODE: A711 EFFECTIVE DATE : 20060814
JP2005514235 T2	20070720	LSWD	-A761	WRITTEN WITHDRAWAL OF APPLICATION	TEXT : JAPANESE INTERMEDIATE CODE: A761 EFFECTIVE DATE : 20070719
MXPA04006628 A1	20050608	LSPB	+	published / reissued	
US2005126406 AA	20050616	LSPB	+	published / reissued	
US2005126406 AA	20050324	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : TMS TECHNOLOGIES INC., MALAYSIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:FAWCETT, ALAN

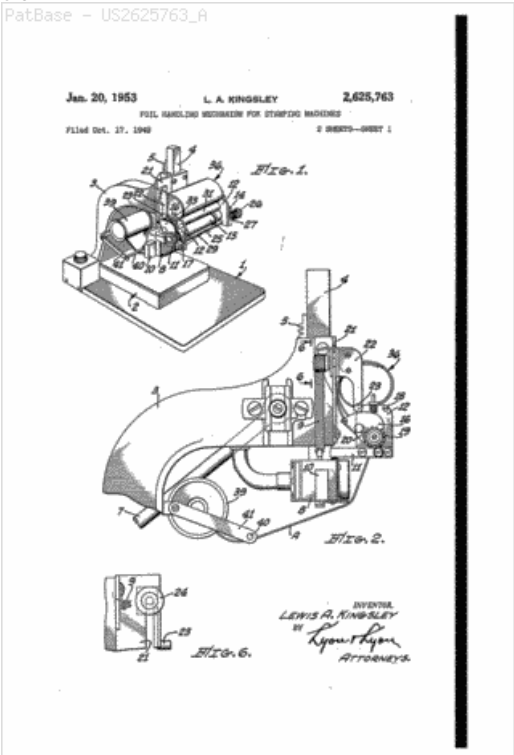
US2005126406 AA	20071106	LSWD	-ABD2	Abandoned -- Failure to Pay Issue Fee	
WO03057487 A1	20030717	LSPB	+	published / reissued	
WO03057487 C2	20040706	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2003557826 COUNTRY OF REF DOCUMENT : JP
WO03057487 C2	20040707	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : PA/A/2004/006628 COUNTRY OF REF DOCUMENT : MX
WO03057487 C2	20040707	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2472623 COUNTRY OF REF DOCUMENT : CA
WO03057487 C2	20040804	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2003700079 COUNTRY OF REF DOCUMENT : EP
WO03057487 C2	20040804	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2269/DELNP/2004 COUNTRY OF REF DOCUMENT : IN
WO03057487 C2	20040804	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2003201389 COUNTRY OF REF DOCUMENT : AU
WO03057487 C2	20040819	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 20038041839 COUNTRY OF REF DOCUMENT : CN
WO03057487 C2	20041103	LSPB	+WWP	WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 2003700079 COUNTRY OF REF DOCUMENT : EP
WO03057487 C2	20050120	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 10500947 COUNTRY OF REF DOCUMENT : US

Title: FOIL HANDLING MECHANISM FOR STAMPING MACHINES

Abstract: (Claim 1) 1. The combination with a foil stamping machine having a reciprocable stamping head and a foil reel from which foil ribbon may be withdrawn across said stamping head, of a foil handling means, involving- a foil feeding means carried by said stamping head and adapted to receive an end of a ribbon of foil, said feeding means including devices responsive to reciprocation of said stamping head to advance said ribbon of foil in predetermined increments; and an open end scroll disposed adjacent the discharge side of said feeding means to receive the free end of said foil as it issues from said feeding means, said scroll being of such dimensions as to receive one's fingers whereby the foil contained in said scroll may be torn free and removed from time to time endwise from said scroll.

Classifications:

International (IPC 8-9): B41F19/06 (Advanced/Invention);
B41F19/00 (Core/Invention)
CPC: Y10S101/31 B41F19/066 B41P2219/20
European: B41F19/06C2 L41P219/200
US: 101/336 101/DIG.31 226/157 242/595 36/72R



Family:

Publication number	Publication date	Application number	Application date
US2625763 A	19530120	US19490121690	19491017

Priority:

US19490121690 19491017

Probable Assignee: KINGSLEY LEWIS A
Assignee(s): (std): KINGSLEY LEWIS A
Inventor(s): (std): KINGSLEY LEWIS A

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US2625763 A	19530120	LSGT	+	granted / extensions (spc, cpc, pte)	

Title: GUIDE ROLLER FOR A STAMPING MACHINE

Abstract: In a guide roller for a stamping machine for deflecting a stamping foil web and/or a substrate web to be stamped upon, so that the guide roller has a negligibly low degree of friction, fixed to a roller spindle that is fixed with respect to the machine is at least one porous air-permeable spindle sleeve at which at least one roller sleeve is rotatably mounted. The roller spindle has a compressed gas passage for acting on the or each spindle sleeve with compressed gas to produce a gas cushion between the or each respective spindle sleeve and the associated roller sleeve.

Classifications:

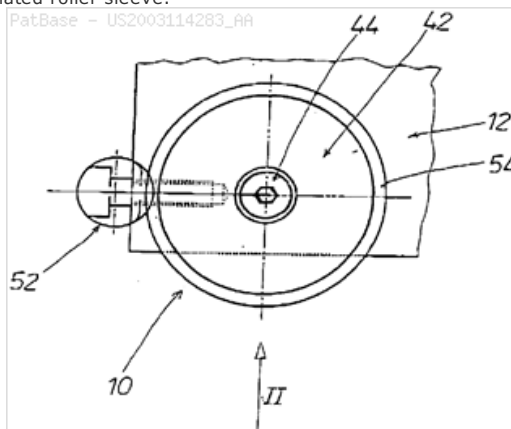
International (IPC 8-9): B25F5/02 B31F1/07 B41F19/02 B41F19/06 B65H27/00 (Advanced/Invention); B25F5/00 B31F1/00 B41F19/00 B65H27/00 (Core/Invention)

International (IPC 1-7): B29C43/46 B29C59/04 B31F1/07 B41F19/02 B41F19/06 B65H23/34 B65H27/00 D21G1/02 D21G1/2

CPC: B31F1/07 B31F2201/0728 B31F2201/073 B31F2201/0753 B65H27/00 B65H2401/242 B65H2404/1321

European: B31F1/07 B65H27/00 L31F201/07C2D3C L31F201/07C2D3E L31F201/07C2D7 L65H401/242 L65H404/1321

US: 492/16 492/4 492/45 492/47

**Family:**

Publication number	Publication date	Application number	Application date
DE10159662 A1	20030626	DE20011059662	20011205
DE10159662 B4	20050811	DE20011059662	20011205
DE50213864 D1	20091105	DE20025013864	20021128
EP1318017 A2	20030611	EP20020026567	20021128
EP1318017 A3	20040922	EP20020026567	20021128
EP1318017 B1	20090923	EP20020026567	20021128
US2003114283 AA	20030619	US20020307890	20021202
US7097604 BB	20060829	US20020307890	20021202

Priority:

DE20011059662 20011205

Probable Assignee: LEONHARD KURZ GMBH AND CO KG

Assignee(s): (std): FRIEDMANN RALF ; KALUZA GEORG ; KURZ LEONHARD FA ; LEONARD KURZ GMBH AND CO KG ; LEONHARD KURZ STIFTUNG AND CO KG

Assignee(s): LEONARD KURZ GMBH AND CO KG ; LEONHARD KURZ GMBH AND CO KG ; LEONHARD KURZ GMBH ; LEONARD KURZ GMBH AND CO

Inventor(s): (std): FRIEDMANN RALF ; KALUZA GEORG

Agent(s): LOUIS POEHLAU LOHRENTZ; HOFFMANN AND BARON LLP

Designated states: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

Legal status (INPADOC)

[View legal status timeline](#)

Patent	Date recorded	Event group	Code	Event	Details
DE10159662 A1	20030626	LSPB	+	published / reissued	
DE10159662 A1	20030626	LSES	+OP8	REQUEST FOR EXAMINATION AS TO PARAGRAPH 44 PATENT LAW	
DE10159662 B4	20050811	LSGT	+	granted / extensions (spc, cpc, pte)	
DE10159662 B4	20060209	LSGT	+8364	NO OPPOSITION DURING TERM OF OPPOSITION	
DE10159662 B4	20111117	LSDW	-R119	APPLICATION DEEMED WITHDRAWN, OR IP RIGHT LAPSED, DUE TO NON-PAYMENT OF RENEWAL FEE	EFFECTIVE DATE : 20110701
DE10159662 B4	20211205	PEXP		Calculated Patent Term Expiry	
DE50213864 D1	20101014	LSGT	+8364	NO OPPOSITION DURING TERM OF OPPOSITION	
EP1318017 A2	20030611	LSPB	+	published / reissued	
EP1318017 A2	20160129	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20151111

EP1318017 A2	20160129	LSFE	+PGFP	NATIONAL OFFICE TO EPO] ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	YEAR OF FEE PAYMENT : 14 COUNTRY OF REF DOCUMENT : IT PAYMENT DATE : 20151124 YEAR OF FEE PAYMENT : 14
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EP1318017 A2	20160229	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20151124 YEAR OF FEE PAYMENT : 14
EP1318017 A3	20040922	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : 7B 41F 19/02 A
EP1318017 A3	20040922	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : 7B 41F 19/06 B
EP1318017 A3	20041208	LSSE	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20041009
EP1318017 A3	20050608	LSFE	+AKX	DESIGNATION FEES PAID	COUNTRY OF REF DOCUMENT : DE COUNTRY OF REF DOCUMENT : FR COUNTRY OF REF DOCUMENT : GB COUNTRY OF REF DOCUMENT : IT
EP1318017 A3	20070711	LSSE	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20070608
EP1318017 A3	20080123	LSAS	RAP1	RIGHTS OF AN APPLICATION TRANSFERRED	PARTYTYPE : OWNER OWNER : LEONHARD KURZ STIFTUNG & CO. KG
EP1318017 B1	20090923	LSGT	+	granted / extensions (spc, cpc, pte)	
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EP1318017 B1	20100901	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20100624
EP1318017 B1	20151124	LSFE	REG	REFERENCE TO A NATIONAL CODE	COUNTRY OF REF DOCUMENT : FR REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 14
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EP1318017 B1	20170428	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20170107 YEAR OF FEE PAYMENT : 15
EP1318017 B1	20171219	LSFE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 16

EP1318017 B1	20180131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20171219 YEAR OF FEE PAYMENT : 16
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EP1318017 B1	20180228	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20171221 YEAR OF FEE PAYMENT : 16
EP1318017 B1	20180228	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT PAYMENT DATE : 20171218 YEAR OF FEE PAYMENT : 16
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EP1318017 B1	20190228	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20181126 YEAR OF FEE PAYMENT : 17
EP1318017 B1	20190228	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT PAYMENT DATE : 20181122 YEAR OF FEE PAYMENT : 17
EP1318017 B1	20190228	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20181127 YEAR OF FEE PAYMENT : 17
EP1318017 B1	20221128	PEXP		Calculated Patent Term Expiry	
US2003114283 AA	20030619	LSPB	+	published / reissued	
US7097604 BB	20060829	LSGT	+	granted / extensions (spc, cpc, pte)	
US7097604 BB	20030210	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LEONHARD KURZ GMBH & CO. KG, GERMANY OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:KALUZA, GEORG; FRIEDMANN, RALF; REEL/FRAME:013753/0170 EFFECTIVE DATE : 20021212
US7097604 BB	20060809	LSGT	PAT1	Patented Case	
US7097604 BB	20100218	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US7097604 BB	20140224	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US7097604 BB	20180222	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	YEAR OF FEE PAYMENT : 12
US7097604 BB	20240209	PEXP		Calculated Patent Term Expiry (PTA 434 days)	

Title: FOIL STAMPING MACHINE

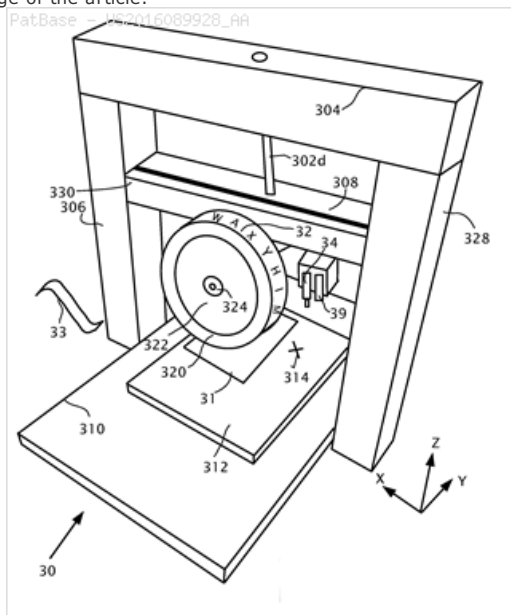
Abstract: A stamping machine is configured for stamping with a stamping head onto an article, The stamping machine includes a camera and a computer system. The computer system includes a display. The computer system is configured to capture from the camera an image of the article prior to the stamping and presents the image on the display. A user selects a symbol using the computer system prior to the stamping onto the article. The user using the computer system, positions the selected symbol as a displayed symbol superimposed on the image of the article.

Classifications:

International (IPC 8-9): B41F B41F16/00 B41F19/02 B41F19/06 B41J2/32 B41K3/12 B44B5/00 B44B5/02 B44C1/17 H04N5/225 (Advanced/Invention)

CPC: B44B5/028 H04N5/225 H04N5/2256 B44B5/0009 B41K3/12 B44C1/1729 B41F16/0046 B41F19/068 B44B5/0019 B44B5/0071 B44B5/0095

US: 101/27

**Family:**

Publication number	Publication date	Application number	Application date
CN205573301 U	20160914	CN201490000782U	20140529
DE202014010602 U1	20160331	DE201420010602U	20140529
GB201310073 A0	20130717	GB20130010073	20130606
GB2514822 A1	20141210	GB20130010073	20130606
GB2514822 B2	20150513	GB20130010073	20130606
IL242859 A0	20160131	IL20140242859	20140529
US2016089928 AA	20160331	US20140893083	20140529
US9649874 BB	20170516	US20140893083	20140529
WO14195833 A1	20141211	WO20141B61808	20140529

Priority:

GB20130010073 20130606 WO20141B61808 20140529

Probable Assignee: MILLER YAKOV

Assignee(s): (std): JACOB MILLER ; MILLER YAKOV

Assignee(s): YAIR ADAR ; YAKOV MILLER ; MILLER

Inventor(s): (std): ADAR YAIR ; MILLER YAKOV ; YAIR ADAR ; JACOB MILLER

Inventor(s): YAKOV MILLER

Agent(s): DR HANAN FARBER PATENT AGENT LTD; FARBER HANAN

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Legal status (INPADOC)

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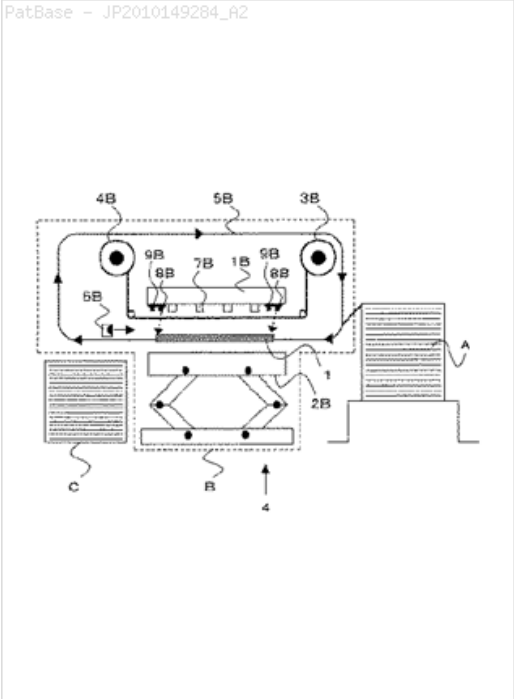
Patent	Date recorded	Event group	Code	Event	Details
CN205573301 U	20160914	LSGT	+	granted / extensions (spc, cpc, pte)	
CN205573301 U	20160914	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN205573301 U	20240529	PEXP		Calculated Patent Term Expiry	
DE202014010602 U1	20160331	LSGT	+	granted / extensions (spc, cpc, pte)	
DE202014010602 U1	20160331	LSGT	R207	UTILITY MODEL SPECIFICATION	

DE202014010602 U1	20170601	LSGT	+R150	TERM OF PROTECTION EXTENDED TO 6 YEARS	
DE202014010602 U1	20240529	PEXP		Calculated Patent Term Expiry	
GB2514822 A1	20141210	LSPB	+	published / reissued	
GB2514822 B2	20150513	LSGT	+	granted / extensions (spc, cpc, pte)	
GB2514822 B2	20330606	PEXP		Calculated Patent Term Expiry	
US2016089928 AA	20160331	LSPB	+	published / reissued	
US2016089928 AA	20151123	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : MILLER, YAKOV, ISRAEL OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:ADAR, YAIR; REEL/FRAME:037111/0189 EFFECTIVE DATE : 20151123
US9649874 BB	20170516	LSGT	+	granted / extensions (spc, cpc, pte)	
US9649874 BB	20170426	LSGT	PAT1	Patented Case	
US9649874 BB	20340529	PEXP		Calculated Patent Term Expiry	
WO14195833 A1	20141211	LSPB	+	published / reissued	
WO14195833 A1	20151123	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 14893083 COUNTRY OF REF DOCUMENT : US
WO14195833 A1	20151130	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 242859 COUNTRY OF REF DOCUMENT : IL
WO14195833 A1	20151207	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO14195833 A1	20160713	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE	REF DOCUMENT NUMBER : 14807937 COUNTRY OF REF DOCUMENT : EP KIND CODE OF REF DOCUMENT : A1 DESIGNATED STATE(S) :

Title: DEFECTIVE PAPER STATE DETECTION APPARATUS OF **FOIL STAMPING MACHINE**

Abstract: PROBLEM TO BE SOLVED: To provide a detection apparatus which detects the stamping of foil to defective paper by detecting the state of transportation paper sheet, in the apparatus which pastes the foil such as a hologram. SOLUTION: The defective paper state detection apparatus of a **foil stamping machine** has: a detection sensor illuminating part which detects the defective state of paper; a detection sensor light receiving part which receives light illuminated by the detection sensor illuminating part; an identifying part which identifies the presence or absence of the defective paper state from the presence or absence of the light received by the detection sensor light receiving part; a stopper which stops the **foil stamping machine** based on an identification result by the identifying part; and a control part which controls operations of parts on an upper surface plate in a foil stamping part for stamping pattern foil such as the hologram to a paper sheet.

Classifications:
International (IPC 8-9): B41F33/00 B41F33/14
B65H7/14 (Advanced/Invention);
B41F33/00 B41F33/14 B65H7/14 (Core/Invention)



Family:

Publication number	Publication date	Application number	Application date
JP2010149284 A2	20100708	JP20080326737	20081224

Priority:

JP20080326737 20081224

Probable Assignee: NAT PRINTING BUREAU
Assignee(s): (std): NAT PRINTING BUREAU
Assignee(s): NATIONAL PRINTING BUREAU
Inventor(s): (std): NAKAZAWA YUKIO

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
JP2010149284 A2	20100708	LSPB	+	published / reissued	

Title: FOIL STAMPING MACHINE

Abstract: This hot stamping machine comprises a stamping member, which is intended to press a stamping foil against the peripheral surface of individual articles in order to stamp said articles, the individual articles being positioned successively into a stamping position and stamped by a stamping sequence which is repeated for each article. The machine comprises stamping foil unwinding means, intended to sequentially unwind a length of stamping foil at the end of each stamping sequence for the next stamping sequence, and stamping foil rewinding means. The stamping machine further comprises a stamping foil suction box and a stamping foil braking surface, the braking surface having a fixed orientation relative to the frame of the machine during each stamping sequence. The stamping foil which comes from the unwinding means passes in succession into the suction box, along the braking surface and opposite the stamping member, in such a way that a reserve of stamping foil is available in the suction box between the unwinding means and the braking surface, while the stamping foil is tensioned opposite the stamping member between the braking surface and the rewinding means.

Classifications:

International (IPC 8-9): B31F1/07 B41F16/00 B41F17/08 B41F17/14 B41F17/18 B41F19/02 B41F19/06 B41J17/24 B41J17/28 B41M5/035 B44B5/00 B65H20/24 B65H20/32 B65H23/24 (Advanced/Invention); B41F16/00 B41F17/08 B41F19/00 B41J17/22 B41J17/28 B41M5/035 B44B5/00 B65H20/00 B65H20/30 B65H23/04 (Core/Invention)

International (IPC 1-7): B41F16/00 B41F17/08 B41F17/18 B41F19/06 B41J17/24 B41J17/28 B44B5/00 B65H20/24 B65H20/32 B65H23/24

CPC: B41F16/00 B41F17/08 B41F17/18 B41F19/06 B41J17/24

B41J17/28 B41P2219/43 B65H18/103 B65H20/32 B65H23/14 B65H2406/33 B65H2701/357

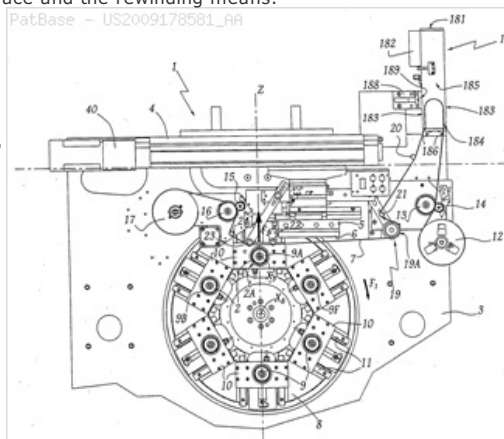
European: B41F16/00 B41F17/08 B41F17/18 B41F19/06 C4

B41J17/24 B41J17/28 B65H18/10A B65H20/32 B65H23/14

L41P219/430 L65H406/33 L65H701/357

US: 101/25 101/27 101/27P 101/3.1 101/8 101/9

PatBase - US2009178581_AA

**Family:**

Publication number	Publication date	Application number	Application date
BRPI0808902 A2	20140819	BR2008PI08902	20080320
BRPI0808902 B1	20181204	BR2008PI08902	20080320
EP2125371 A2	20091202	EP20080787824	20080320
EP2125371 B1	20180307	EP20080787824	20080320
FR2913914 A1	20080926	FR20070002056	20070321
FR2913914 B1	20120907	FR20070002056	20070321
MX2009010093 A1	20091019	MX20090010093	20080320
PL2125371 T3	20180831	PL20080787824T	20080320
US2009178581 AA	20090716	US20090076657	20090320
US8074568 BB	20111213	US20080076657	20080320
US8074568 BB	20111213	US20090076657	20090320
US8074568 BB	20111213	US20080076657	20080320
WO08142225 A2	20081127	WO2008FR00377	20080320
WO08142225 A3	20090219	WO2008FR00377	20080320

Priority:

FR20070002056 20070321 US20070907409P 20070402 EP20080787824 20080320
 WO2008FR00377 20080320 US20090076657 20090320

Probable Assignee: ILLINOIS TOOL WORKS INC

Assignee(s): (std): CALLAMAND LAURENT ; CER ; CER SOC PAR ACTIONS SIMPLIFIEE ; PAITA MARCO ; MANDON DAVID JEAN ROBERT ; ILLINOIS TOOL WORKS ; ITW SBI FRANCE

Assignee(s): ILLINOIS TOOL WORKS INC ; CER SOCIETE PAR ACTIONS SIMPLIFIEE

Inventor(s): (std): MARCO PAITA ; DAVID JEAN ROBERT MANDON ; LAURENT CALLAMAND ; MANDON DAVID JEAN ROBERT ; CALLAMAND LAURENT ; PAITA MARCO

Agent(s): MYON GERARD JEAN PIERRE ; LAVOIX ; CABINET LAVOIX LYON ; RALPH A DOWELL OF DOWELL AND DOWELL PC ; DOWELL AND DOWELL PC ; MYON GERARD ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
BRPI0808902 A2	20170110	LSAS	B25D	REQUESTED CHANGE OF NAME OF APPLICANT APPROVED	PARTYTYPE : OWNER OWNER : ILLINOIS TOOL WORKS INC. (US)
BRPI0808902 A2	20170124	LSAS	B25A	REQUESTED TRANSFER OF RIGHTS APPROVED	PARTYTYPE : OWNER OWNER : ILLINOIS TOOL WORKS INC. (US)
BRPI0808902 A2	20170207	LSFE	-B08F	APPLICATION	

				FEES: DISMISSAL - ARTICLE 86 OF INDUSTRIAL PROPERTY LAW	
BRPI0808902 A2	20170425	LSFE	+B08G	APPLICATION FEES: RESTORATION	
BRPI0808902 A2	20180619	LSES	B07A	TECHNICAL EXAMINATION (OPINION): PUBLICATION OF TECHNICAL EXAMINATION (OPINION)	
BRPI0808902 A2	20181030	LSGT	B09A	DECISION: INTENTION TO GRANT	
BRPI0808902 A2	20181204	LSGT	+B16A	PATENT OR CERTIFICATE OF ADDITION OF INVENTION GRANTED	TEXT : PRAZO DE VALIDADE: 10 (DEZ) ANOS CONTADOS A PARTIR DE 04/12/2018, OBSERVADAS AS CONDICOES LEGAIS.
BRPI0808902 B1	20280320	PEXP		Calculated Patent Term Expiry	
EP2125371 A2	20091202	LSPB	+	published / reissued	
EP2125371 A2	20091202	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20090924
EP2125371 A2	20120222	LSAS	RAP1	RIGHTS OF AN APPLICATION TRANSFERRED	PARTYTYPE : OWNER OWNER : ILLINOIS TOOL WORKS INC.
EP2125371 A2	20140416	LSAS	RAP1	RIGHTS OF AN APPLICATION TRANSFERRED	PARTYTYPE : OWNER OWNER : ILLINOIS TOOL WORKS INC.
EP2125371 A2	20150930	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20150828
EP2125371 A2	20171206	LSGT	+INTG	INTENTION TO GRANT ANNOUNCED	EFFECTIVE DATE : 20171107
EP2125371 B1	20180307	LSGT	+	granted / extensions (spc, cpc, pte)	
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EP2125371 B1	20180315	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : REF REF DOCUMENT NUMBER : 976123 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20180315
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EP2125371 B1	20180404	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D TEXT : LANGUAGE OF EP DOCUMENT: FRENCH
EP2125371 B1	20180405	LSPB	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R096 REF DOCUMENT NUMBER : 602008054366 COUNTRY OF REF DOCUMENT : DE
EP2125371 B1	20180425	LSFE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 11
EP2125371 B1	20180725	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : LT REF LEGAL EVENT CODE : MG4D
EP2125371 B1	20180731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL	COUNTRY OF REF DOCUMENT : LT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT

				OFFICE TO EPO]	LAPSED DATE : 20180307
EP2125371 B1	20180731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : HR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180307
EP2125371 B1	20180731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NO NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180607
EP2125371 B1	20180731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180307
EP2125371 B1	20180731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180307
EP2125371 B1	20180731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CY NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180307
EP2125371 B1	20180731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20180427 YEAR OF FEE PAYMENT : 11
EP2125371 B1	20180731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH PAYMENT DATE : 20180427 YEAR OF FEE PAYMENT : 11
EP2125371 B1	20180815	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : MK05 REF DOCUMENT NUMBER : 976123 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20180307
EP2125371 B1	20180831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180307
EP2125371 B1	20180831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BG NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180607
EP2125371 B1	20180831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LV NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180307
EP2125371 B1	20180831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED	COUNTRY OF REF DOCUMENT : GR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION

				FROM NATIONAL OFFICE TO EPO]	OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180608
EP2125371 B1	20180831	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20180425 YEAR OF FEE PAYMENT : 11
EP2125371 B1	20180831	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PL PAYMENT DATE : 20180423 YEAR OF FEE PAYMENT : 11
EP2125371 B1	20180928	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : MT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180307
EP2125371 B1	20181031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : RO NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180307
EP2125371 B1	20181031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180307
EP2125371 B1	20181031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : EE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180307
EP2125371 B1	20181031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT PAYMENT DATE : 20180621 YEAR OF FEE PAYMENT : 11
EP2125371 B1	20181130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CZ NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180307
EP2125371 B1	20181130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180307
EP2125371 B1	20181130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SK NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180307
EP2125371 B1	20181210	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R097 REF DOCUMENT NUMBER : 602008054366 COUNTRY OF REF DOCUMENT : DE
EP2125371 B1	20181226	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : MM4A

EP2125371 B1	20181231	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LU NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20180320
EP2125371 B1	20181231	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180709
EP2125371 B1	20190131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DK NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180307
EP2125371 B1	20190131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20180320
EP2125371 B1	20190131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : MC NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180307
EP2125371 B1	20190213	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20181210
EP2125371 B1	20190227	LSLE	-GBPC	GB: EUROPEAN PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE	REF COUNTRY CODE : EP EFFECTIVE DATE : 20180607
EP2125371 B1	20190228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20180331
EP2125371 B1	20190228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20180307
EP2125371 B1	20280320	PEXP		Calculated Patent Term Expiry	
FR2913914 A1	20080926	LSPB	+	published / reissued	
FR2913914 A1	20101022	LSAS	TP	TRANSMISSION OF PROPERTY	
FR2913914 B1	20120907	LSGT	+	granted / extensions (spc, cpc, pte)	
FR2913914 B1	20160328	LSFE	+PLFP	FEE PAYMENT	YEAR OF FEE PAYMENT : 10
FR2913914 B1	20170327	LSFE	+PLFP	FEE PAYMENT	YEAR OF FEE PAYMENT : 11
FR2913914 B1	20180326	LSFE	+PLFP	FEE PAYMENT	YEAR OF FEE PAYMENT : 12
FR2913914 B1	20270321	PEXP		Calculated Patent Term Expiry	
MX2009010093 A1	20091019	LSPB	+	published / reissued	
MX2009010093 A1	20120719	LSGT	+FG	GRANT OR REGISTRATION	
PL2125371 T3	20180831	LSGT	+	granted / extensions (spc, cpc, pte)	

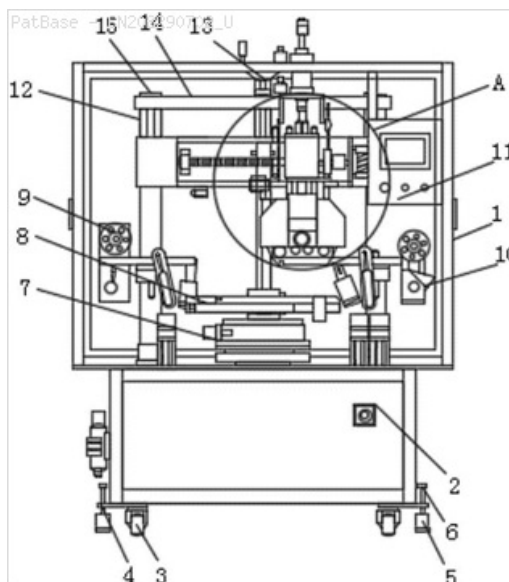
US2009178581 AA	20090716	LSPB	+	published / reissued	
US2009178581 AA	20080602	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CER, FRANCE OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:PAITA, MARCO; MANDON, DAVID JEAN ROBERT; CALLAMAND, LAURENT; REEL/FRAME:021027/0928; SIGNING DATES FROM 20080328 TO 20080401
US2009178581 AA	20080602	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : CER, FRANCE OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:PAITA, MARCO; MANDON, DAVID JEAN ROBERT; CALLAMAND, LAURENT; SIGNING DATES FROM 20080328 TO 20080401; REEL/FRAME:021027/0928
US2009178581 AA	20111212	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ILLINOIS TOOL WORKS INC., ILLINOIS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:CER; REEL/FRAME:027363/0633 EFFECTIVE DATE : 20111118
US8074568 BB	20111213	LSGT	+	granted / extensions (spc, cpc, pte)	
US8074568 BB	20111213	LSGT	+	granted / extensions (spc, cpc, pte)	
US8074568 BB	20111122	LSGT	PAT1	Patented Case	
US8074568 BB	20111122	LSGT	PAT1	Patented Case	
US8074568 BB	20150615	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US8074568 BB	20150615	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US8074568 BB	20280320	PEXP		Calculated Patent Term Expiry	
US8074568 BB	20280320	PEXP		Calculated Patent Term Expiry	
WO08142225 A2	20081127	LSPB	+	published / reissued	
WO08142225 A3	20090921	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : MX/A/2009/010093 COUNTRY OF REF DOCUMENT : MX
WO08142225 A3	20090922	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO08142225 A3	20090924	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2008787824 COUNTRY OF REF DOCUMENT : EP
WO08142225 A3	20140819	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : PI0808902 COUNTRY OF REF DOCUMENT : BR KIND CODE OF REF DOCUMENT : A2 DESIGNATED STATE(S) : EFFECTIVE DATE : 20090918

Title: A local positioning hot stamping machine (Machine translation)

Abstract: Source: CN208290702U **Machine translation:** The utility model discloses a local positioning hot stamping machine, to solve the existing hot stamping machine is a partial surface of the specified location, especially in large area curved structure, hot stamping pattern occurs when missing, play the bubble, adhesion not up to the defects. Which includes a stamping machine stamping machine body, the body the bottom end provided with a rack, the rack bottom end provided organic wheel of the frame located on the bottom side of the wheel is provided with a support plate, the support plate is provided with an outer side of the foot, the foot is mounted on the push screws; The stamping machine central body is located at the top of the rack is provided with a slide, the slide is provided with a sweeping over the paper cutter, stamping machine body provided with a central shaft, the tension on the tension of the paper on the paper roll, roll shaft is provided below the top foil **foil stamping machine** body provided with operation box, the top is provided with a lift assembly, the lift assembly is provided with a top provided with a central handwheel and lifting assembly lifting cross-dong.

Classifications:

International (IPC 8-9): B41F16/00 B41F19/06 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN208290702 U	20181228	CN201820900739U	20180611

Priority:

CN201820900739U 20180611

Probable Assignee: GUANGZHOU LIGHT THAI PACKAGING MACHINERY CO LTD

Assignee(s): GUANGZHOU LIGHT THAI PACKAGING MACHINERY CO LTD

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN208290702 U	20181228	LSGT	+	granted / extensions (spc, cpc, pte)	
CN208290702 U	20181228	LSGT	+GR01	PATENT GRANT	
CN208290702 U	20280611	PEXP		Calculated Patent Term Expiry	

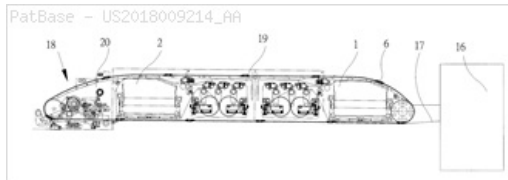
Title: PRECISION POSITIONING DEVICE OF A UNIT-TYPE DIE CUTTING AND HOT STAMPING MACHINE AND A WORKING METHOD THEREOF

Abstract: A precision positioning device of a unit-type die cutting and hot stamping machine includes a positioning element on an input end of a first imprinting element and a positioning element on an output end of each imprinting element. Two neighboring positioning elements accomplish the positioning between the two positioning elements together. Each positioning element is constituted by a positioning assembly installed symmetrically on each end of the imprinting element. The positioning assembly includes a positioning rod which can rotate against an installation shaft. Each positioning rod includes a positioning block which is provided with a reference surface. A rear side of the gripper is provided with a reference matching surface. By the positioning elements, the accuracy in the art of die cutting and hot stamping can be assured when the machine is performing a multiple-working-position procedure.

Classifications:

International (IPC 8-9): B26D1/04 B26D5/24 B26D7/00 B26D7/01 B26D7/27 B26F1/44 B41F1/30 B41F16/00 B41F19/00 B41F19/02 B41F19/06 B41F21/04 B41F21/05 B41F21/08 B41F21/12 B41F21/14 B41G1/00 B65H5/02 (Advanced/Invention); B26D7/08 (Advanced/Non-invention)

CPC: B41F19/06 B41F21/12 B41F21/14 B41G1/00 B41F21/05 B41F16/00 B41F19/02 B41F16/0026 B41F1/30 B26D7/27 B26D5/24 B26F1/44 B26D1/045 B26D7/015 B26D7/0006 B26D2007/082 B26F2001/4463 B41F19/00 B65H5/028 B41F21/08 B26D7/01 B41F19/008 B41F19/068 B41P2219/42 B65H5/02 B41F21/04 B41F16/0046



Family:

Publication number	Publication date	Application number	Application date
CN105966058 A	20160928	CN201610529050	20160707
CN106183394 A	20161207	CN201610529416	20160707
CN107253625 A	20171017	CN201710511111	20170629
CN107284014 A	20171024	CN201710511123	20170629
CN107310257 A	20171103	CN201710512264	20170629
CN107416549 A	20171201	CN201710511124	20170629
CN207030518 U	20180223	CN201720770370U	20170629
CN207140546 U	20180327	CN201720770636U	20170629
CN207142372 U	20180327	CN201720770638U	20170629
CN207142373 U	20180327	CN201720776511U	20170629
US2018009214 AA	20180111	US20170643310	20170706
US2018009215 AA	20180111	US20170643325	20170706
WO18006810 A1	20180111	WO2017CN091787	20170705

Priority:

CN201610529050	20160707	CN201610529416	20160707	CN201710318788	20170508
CN201710318774	20170508	CN201710318477	20170508	CN201710318827	20170508
CN201710319095	20170508	CN201720505568U	20170508	CN201720507339U	20170508
CN201720504301U	20170508	CN201720505532U	20170508	CN201720504764U	20170508
CN201710511124	20170629	CN201720770638U	20170629		

Probable Assignee: LIU TIAN SHENG

Assignee(s): (std): LIU TIAN SHENG ; MASTERWORK MACHINERY CO LTD ; TIANJIN MASTERWORK TECH GROUP CO LTD ; TIANJIN CHANGRONG PRINTING EQUIPMENT LTD BY SHARE LTD ; TIANJIN MASTERWORK GROUP CO LTD

Assignee(s): TIANJIN MASTERWORK GROUP CO ; TIANJIN CHANGRONG PRINTING EQUIPMENT BY SHARE LTD LTD ; TIANJIN MASTERWORK TECHNOLOGY GROUP CO ; MASTERWORK MACHINERY CO ; EVERGREEN PRINTING EQUIPMENT CO LTD TIANJIN

Inventor(s): (std): LIU DONG ; MA JINGHU ; WEI SHU YUAN ; WEI SHUYUAN

Agent(s): BEIJING GLOBE LAW LAW FIRM

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JO JP KE KG KH KM KN KP KR KW KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN105966058 A	20160928	LSPB	+	published / reissued	
CN105966058 A	20160928	LSPB	+C06	PUBLICATION	
CN105966058 A	20170919	LSDW	-WD01	INVENTION PATENT APPLICATION DEEMED WITHDRAWN AFTER PUBLICATION	
CN106183394 A	20161207	LSPB	+	published / reissued	
CN106183394 A	20161207	LSPB	+C06	PUBLICATION	
CN106183394 A	20170919	LSDW	-WD01	INVENTION PATENT APPLICATION DEEMED WITHDRAWN AFTER PUBLICATION	
CN107253625 A	20171017	LSPB	+	published / reissued	
CN107253625 A	20171017	LSPB	PB01	PUBLICATION	

CN107253625 A	20171212	LSAS	CB02	CHANGE OF APPLICANT INFORMATION	
CN107284014 A	20171024	LSPB	+	published / reissued	
CN107284014 A	20171024	LSPB	PB01	PUBLICATION	
CN107284014 A	20171212	LSAS	CB02	CHANGE OF APPLICANT INFORMATION	
CN107310257 A	20171103	LSPB	+	published / reissued	
CN107310257 A	20171103	LSPB	PB01	PUBLICATION	
CN107310257 A	20171201	LSAS	CB02	CHANGE OF APPLICANT INFORMATION	
CN107416549 A	20171201	LSPB	+	published / reissued	
CN107416549 A	20171201	LSPB	PB01	PUBLICATION	
CN207030518 U	20180223	LSGT	+	granted / extensions (spc, cpc, pte)	
CN207030518 U	20180223	LSGT	+GR01	PATENT GRANT	
CN207030518 U	20270629	PEXP		Calculated Patent Term Expiry	
CN207140546 U	20180327	LSGT	+	granted / extensions (spc, cpc, pte)	
CN207140546 U	20180327	LSGT	+GR01	PATENT GRANT	
CN207140546 U	20270629	PEXP		Calculated Patent Term Expiry	
CN207142372 U	20180327	LSGT	+	granted / extensions (spc, cpc, pte)	
CN207142372 U	20180327	LSGT	+GR01	PATENT GRANT	
CN207142372 U	20270629	PEXP		Calculated Patent Term Expiry	
CN207142373 U	20180327	LSGT	+	granted / extensions (spc, cpc, pte)	
CN207142373 U	20180327	LSGT	+GR01	PATENT GRANT	
CN207142373 U	20270629	PEXP		Calculated Patent Term Expiry	
US2018009214 AA	20180111	LSPB	+	published / reissued	
US2018009214 AA	20170707	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LIU, TIAN-SHENG, TAIWAN OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:WEI, SHU-YUAN; REEL/FRAME:042931/0363 EFFECTIVE DATE : 20170704
US2018009214 AA	20190215	LSSES	NFA1	Non Final Action Mailed	
US2018009215 AA	20180111	LSPB	+	published / reissued	
US2018009215 AA	20170707	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LIU, TIAN-SHENG, TAIWAN OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:WEI, SHU-YUAN; REEL/FRAME:042931/0375 EFFECTIVE DATE : 20170704
US2018009215 AA	20190328	LSSES	NFA1	Non Final Action Mailed	
WO18006810 A1	20180111	LSPB	+	published / reissued	
WO18006810 A1	20190108	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO18006810 A1	20190208	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2017823622 COUNTRY OF REF DOCUMENT : EP EFFECTIVE DATE : 20190207

Title: DEVICE FOR HOLDING A FLAT SHEET-SHAPED ELEMENT CIRCULATING IN A PROCESSING MACHINE

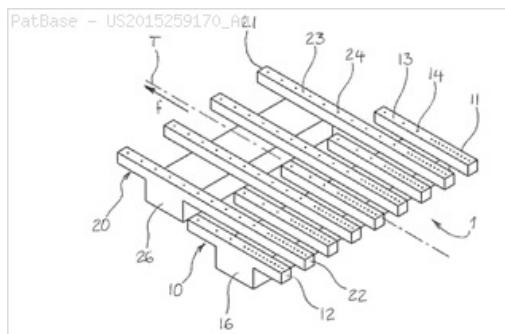
Abstract: A holding device (1) for a succession of sheet-shaped elements circulating in a processing machine (100) along conveying path T. The holding device (1) has two series (10, 20) of a plurality of suction members (11, 21). At least one series of suction members 20 extends along and is movably mounted parallel to the transport path T of the sheets, between a retracted position and a deployed position. Each series is in an array, parallel to the transport path and the suction members are arranged spaced apart alongside one another, so that the array of members extend perpendicular to the conveying path T of the sheets and the suction members (11, 21) of each series (10, 20) are transversely offset relative to the suction members (11, 21) of the other series (10, 20).

Classifications:

International (IPC 8-9): B32B37/00 B41F19/06 B65G47/22 B65G47/91 B65H29/04 B65H29/24 B65H29/52 B65H29/68 B65H5/08 B65H5/10 B65H5/14 (Advanced/Invention)

CPC: B32B37/0053 B65H29/241 B65H29/044 B65H29/52 B65H29/686 B65H2220/01 B65H2220/04 B41F19/064 B65H2301/4493 B65H2406/351 B65H2511/11 B65H2701/176 B65H2801/21

US: 156/433 198/339.1 198/689.1



Family:

Publication number	Publication date	Application number	Application date
BR112015009196 A2	20170704	BR20151109196	20131007
CN104797515 A	20150722	CN201380057296	20131007
CN104797515 B	20171229	CN201380057296	20131007
DE602013021314 D1	20170629	DE201360021314T	20131007
EP2914523 A1	20150909	EP20130774078	20131007
EP2914523 B1	20170517	EP20130774078	20131007
ES2628681 T3	20170803	ES20130774078T	20131007
IN03035CN2015 A	20160701	IN2015CN03035	20150525
JP2015533364 T2	20151124	JP20150540061T	20131007
JP2017119581 A2	20170706	JP20170075120	20170405
TW201429843 A	20140801	TW20130139052	20131029
TWI609830 B	20180101	TW20130139052	20131029
US2015259170 AA	20150917	US20130439504	20131007
US10093507 BB	20181009	US20130439504	20131007
WO14067611 A1	20140508	WO2013EP03009	20131007

Priority:

EP20120007431 20121030 EP20130774078 20131007 WO2013EP03009 20131007
JP20150540061T 20131007

Probable Assignee: BOBST MEX SA

Assignee(s): (std): BOBST MEX S A ; BOBST MEX SA

Inventor(s): (std): BERNARD JAQUET ; FAUCONNEAU OLIVIER ; JAQUET BERNARD ; OLIVIER FAUCONNEAU

Agent(s): EHNLE MARCUS; ELZABURU SLP ELZABURU SLP; INO SARI; KURASAWA ICHIRO; MATSUSHITA MITSURU; DESHIMARU TAKESHI; KUMAKURA YOSHIO; OSTROLENK FABER LLP

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN104797515 A	20150722	LSPB	+	published / reissued	
CN104797515 A	20150722	LSPB	+C06	PUBLICATION	
CN104797515 B	20171229	LSGT	+	granted / extensions (spc, cpc, pte)	
CN104797515 B	20171229	LSGT	+GR01	PATENT GRANT	
CN104797515 B	20331007	PEXP		Calculated Patent Term Expiry	
EP2914523 A1	20150909	LSPB	+	published / reissued	
EP2914523 A1	20150909	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20150522
EP2914523 A1	20170308	LSGT	+INTG	INTENTION TO GRANT	EFFECTIVE DATE : 20170209

				ANNOUNCED	
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EP2914523 B1	20170531	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP2914523 B1	20170614	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D TEXT : LANGUAGE OF EP DOCUMENT: FRENCH
EP2914523 B1	20170615	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : REF REF DOCUMENT NUMBER : 894244 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20170615
EP2914523 B1	20170629	LSPB	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R096 REF DOCUMENT NUMBER : 602013021314 COUNTRY OF REF DOCUMENT : DE
EP2914523 B1	20170803	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : ES REF LEGAL EVENT CODE : FG2A REF DOCUMENT NUMBER : 2628681 COUNTRY OF REF DOCUMENT : ES KIND CODE OF REF DOCUMENT : T3 DESIGNATED STATE(S) : EFFECTIVE DATE : 20170803
EP2914523 B1	20171003	LSFE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 5
EP2914523 B1	20171010	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : LT REF LEGAL EVENT CODE : MG4D
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				[ANNOUNCED FROM NATIONAL OFFICE TO EPO]	BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170517
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EP2914523 B1	20171130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IS NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170917
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EP2914523 B1	20171130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BG NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20170817
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EP2914523 B1	20180131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SK NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT

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EP2914523 B1	20180228	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT PAYMENT DATE : 20171024 YEAR OF FEE PAYMENT : 5
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ES2628681 T3	20170803	LSGT	+	granted / extensions (spc, cpc, pte)	
ES2628681 T3	20331007	PEXP		Calculated Patent Term Expiry	
IN03035CN2015 A	20160701	LSPB	+	published / reissued	
JP2015533364 T2	20151124	LSPB	+	published / reissued	
JP2015533364 T2	20160209	LSSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20160208
JP2015533364 T2	20160707	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20160707
JP2015533364 T2	20161205	LSRV	-A02	DECISION OF REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A02 EFFECTIVE DATE : 20161205
JP2017119581 A2	20170706	LSPB	+	published / reissued	
JP2017119581 A2	20170508	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20170508
JP2017119581 A2	20170508	LSSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20170508
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JP2017119581 A2	20180723	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20180723
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TWI609830 B	20331029	PEXP		Calculated Patent Term Expiry	
US10093507 BB	20181009	LSGT	+	granted / extensions (spc, cpc, pte)	
US10093507 BB	20180919	LSGT	PAT1	Patented Case	
US10093507 BB	20331007	PEXP		Calculated Patent Term Expiry	
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US2015259170 AA	20150429	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : BOBST MEX SA, SWITZERLAND OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:FAUCONNEAU, OLIVIER; JAQUET, BERNARD; SIGNING DATES FROM 20150409 TO 20150410; REEL/FRAME:035527/0808
US2015259170 AA	20180105	LSSES	-NFA2	Non Final Action Counted, Not Yet Mailed	
US2015259170 AA	20180108	LSSES	NFA1	Non Final Action Mailed	

US2015259170 AA	20180719	LSSES	+ALW2	Allowed -- Notice of Allowance Not Yet Mailed	
US2015259170 AA	20180720	LSSES	+NAM1	Notice of Allowance Mailed -- Application Received in Office of Publications	
WO14067611 A1	20140508	LSPB	+	published / reissued	
WO14067611 A1	20150429	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 14439504 COUNTRY OF REF DOCUMENT : US
WO14067611 A1	20150430	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2015540061 COUNTRY OF REF DOCUMENT : JP KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO14067611 A1	20150430	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO14067611 A1	20150522	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2013774078 COUNTRY OF REF DOCUMENT : EP
WO14067611 A1	20170704	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 112015009196 COUNTRY OF REF DOCUMENT : BR KIND CODE OF REF DOCUMENT : A2 DESIGNATED STATE(S) : EFFECTIVE DATE : 20150424

Title: FOIL STAMPING MACHINE

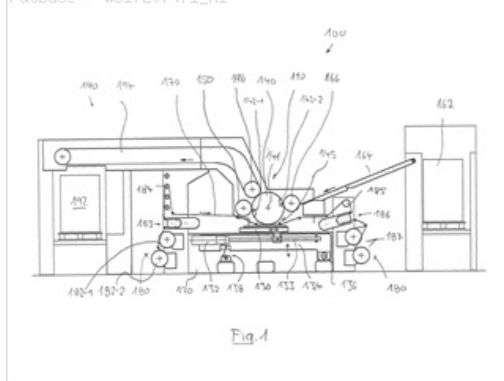
Abstract: A sheet-processing **foil stamping machine** (100) comprises a main frame (120), a stamping unit (110) which is supported by the main frame and comprises a stamping base (130) which can be moved to and fro in a linear manner and a stamping cylinder (140) which is arranged with a horizontal rotational axis above the stamping base, and a foil unit (180) with control devices for transporting at least one foil stamping web (170) through a stamping nip (145) which is formed between the stamping base and the stamping cylinder during a stamping interval. The stamping cylinder (140) is configured as a cylinder with a first gripper bar (142-1) and a second gripper bar (142-2) which is offset circumferentially with respect to the first gripper bar. The stamping cylinder is assigned a storage drum (150) for accepting and transferring printing material sheets (B1, B2, B3) between the stamping cylinder (140) and the storage drum (150). A height adjustment device is provided with an actuating drive (138) for adjusting the height of the stamping base (130) in relation to the main frame (120).

Classifications:

International (IPC 8-9): B29C59/02 B31F1/07 B41F16/00 B41F19/02 B41F19/04 B41F19/06 B44B5/00 (Advanced/Invention)

CPC: B41F19/068 B41F3/26 B41F16/004 B41F16/0046 B41F19/064 B44B5/0028 B44B5/0071

PatBase - WO17207471_A1

**Family:**

Publication number	Publication date	Application number	Application date
DE102016209328 A1	20171130	DE201610209328	20160530
WO17207471 A1	20171207	WO2017EP62859	20170529

Priority:

DE201610209328 20160530

Probable Assignee: STEUER ARMIN**Assignee(s):** (std): STEUER ARMIN**Inventor(s):** (std): STEUER ARMIN**Agent(s):** PATENTANWALTE RUFF WILHELM BEIER DAUSTER AND PARTNER MBB

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KH KM KN KP KR KW KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
DE102016209328 A1	20171130	LSPB	+	published / reissued	
WO17207471 A1	20171207	LSPB	+	published / reissued	
WO17207471 A1	20181201	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO17207471 A1	20190104	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2017725971 COUNTRY OF REF DOCUMENT : EP EFFECTIVE DATE : 20190102

Title: BACKING SHEET FOR A DIE FOR A **FOIL STAMPING MACHINE**

Abstract: A die (10) for a **foil stamping machine**. The die (10) includes a backing plate (11) of steel and an image layer (13) fixed to the plate (11) by means of an adhesive layer (12). The plate (11) is generally flat and is provided with a plurality of slots (14 and 15). The slots (14 and 15) are arranged in sets, the first set consisting of rows (16) and the second set consisting of rows (17). The rows (16) are generally normal to the rows (17).

Classifications:

International (IPC 8-9): B26F1/44 B41F27/00 B44C1/14

H01R29/00 (Advanced/Invention);

B26F1/38 B41F27/00 H01R29/00 (Core/Invention)

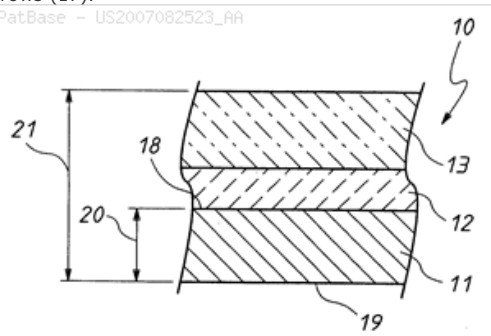
CPC: B44B5/028 B41P2219/30 B44B5/026 B41F27/00 B44C1/14

European: B41F27/00 B44B5/02D B44B5/02W B44C1/14

L41P219/300

US: 439/170

PatBase - US2007082523_AA



Family:

Publication number	Publication date	Application number	Application date
AU2006222744 AA	20070426	AU20060222744	20060928
DE102006048074 A1	20070606	DE200610048074	20061009
GB200619161 A0	20061108	GB20060019161	20060928
GB2433728 A1	20070704	GB20060019161	20060928
US2007082523 AA	20070412	US20060543003	20061003

Priority:

AU20050905557 20051007

AU20060222744 20060928

AU20060222744 20060928

Probable Assignee: TMS TECHNOLOGIES INC

Assignee(s): (std): TMS TECHNOLOGIES INC

Inventor(s): (std): WRIGHT GLENN L ; WRIGHT GLENN LAWRENCE

Inventor(s): GLENN LAWRENCE WRIGHT ; WRIGHT GLENN

Agent(s): SPRUSON AND FERGUSON; TOWNSEND AND TOWNSEND AND CREW LLP

Legal status (INPADOC)

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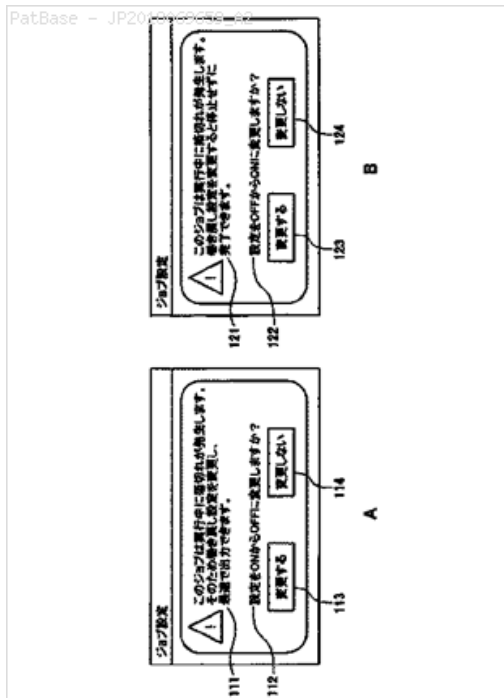
Patent	Date recorded	Event group	Code	Event	Details
AU2006222744 AA	20070426	LSPB	+	published / reissued	
AU2006222744 AA	20100610	LSLE	-MK1	APPLICATION LAPSED SECTION 142(2)(A) - NO REQUEST FOR EXAMINATION IN RELEVANT PERIOD	
DE102006048074 A1	20070606	LSPB	+	published / reissued	
DE102006048074 A1	20090820	LSLE	-8139	DISPOSAL/NON-PAYMENT OF THE ANNUAL FEE	
GB2433728 A1	20070704	LSPB	+	published / reissued	
GB2433728 A1	20080528	LSWD	-WAP	APPLICATION WITHDRAWN, TAKEN TO BE WITHDRAWN OR REFUSED ** AFTER PUBLICATION UNDER SECTION 16(1)	
US2007082523 AA	20070412	LSPB	+	published / reissued	
US2007082523 AA	20061226	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : TMS TECHNOLOGIES INC., AUSTRALIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR: WRIGHT, GLENN LAWRENCE; REEL/FRA: 018742/0296 EFFECTIVE DATE : 20061202
US2007082523 AA	20090922	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	

Title: **FOIL STAMPING MACHINE** AND FOIL STAMPING SYSTEM

Abstract: PROBLEM TO BE SOLVED: To present optimum setting according to a residual amount of a foil roll to an operator when executing a foil stamping job. SOLUTION: When performing foil stamping by use of a foil roll, a used amount of the foil roll required by a foil stamping job is obtained, and as the used amount, used amounts in two kinds of modes comprising a used amount in a mode in which a non-used region of the foil roll is not unwound, and a used amount in a mode in which the non-used region of the foil roll is unwound are obtained. The used amounts of the foil roll in said two kinds of modes are compared with a residual amount of the current foil roll, and it is determined whether completion of a job in each mode is right or wrong. Based on rightness or wrongness of completion of a job in each mode, display for proposal of a change in mode setting is performed. SELECTED DRAWING: Figure 5

Classifications:

International (IPC 8-9): B41F16/00 B41J29/38
B41J29/42 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
JP2018069659 A2	20180510	JP20160214824	20161102

Priority:

JP20160214824 20161102

Probable Assignee: KONICA MINOLTA HOLDINGS INC

Assignee(s): (std): KONICA MINOLTA INC

Assignee(s): KONICA MINOLTA CO LTD ; KONICA MINOLTA HOLDINGS INC

Inventor(s): (std): TANAKA KAZUYOSHI

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
JP2018069659 A2	20180510	LSPB	+	published / reissued	

Title: TYPE HOLDING APPARATUS

Abstract: (Claim 1) 1. In a stamping machine having a T-slotted type stick holder with an inverted U-shaped 75, channel and a cooperative T-head type stick cdm-. 2,618,220 prisingsprigraeanstomaintaintheT-headtype _ stick free of relative movement with respect to the T-slotted type stick holder, said spring means including an integral spring formed on one side of said T-head type stick, said spring defined by a slit in the T-head type stick head and the spring curved convexly outwardly at the middle of the slit, whereby when the T-head type stick is inserted in the T-slotted type stick holder the integral spring causes a lateral force to be exerted within the T-slotted type stick holder.

Classifications:

International (IPC 8-9): B41F19/06 B41K1/08 (Advanced/Invention); B41F19/00 B41K1/00 (Core/Invention)

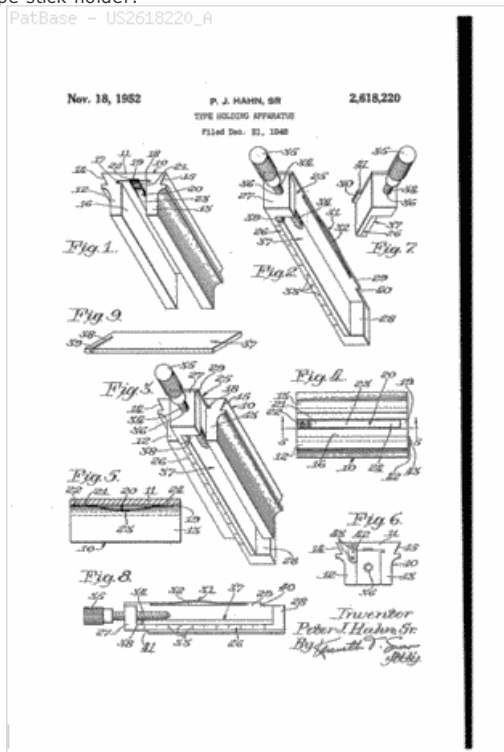
International (IPC 1-7): B41K1/08

CPC: B41F19/06 B41K1/08 B41P2219/32

European: B41F19/06 B41K1/08 L41P219/320

US: 101/368 101/390

PatBase - US2618220_A



Family:

Publication number	Publication date	Application number	Application date
US2618220 A	19521118	US19480066460	19481221

Priority:

US19480066460 19481221

Probable Assignee: PETER J HAHN AND SONS CO

Assignee(s): (std): PETER J HAHN AND SONS CO ; PETER J HAHN AND SONS COMPANY

Inventor(s): (std): HAHN SR PETER J

Inventor(s): SR PETER J HAHN

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US2618220 A	19521118	LSGT	+	granted / extensions (spc, cpc, pte)	

Title: MAGNETIC HOLDING DEVICE

Abstract: A magnetic holding (1) device and method of manufacturing same are disclosed. The device has a support structure (10) made of an iron alloy and has a substantially planar bearing surface with at least one magnetic (20) or magnetisable region located therein. Insulating means (30) made of non magnetic material are interposed between said magnetic regions and said support structure to resist magnetic induction of, or leakage to, said support structure.

Classifications:

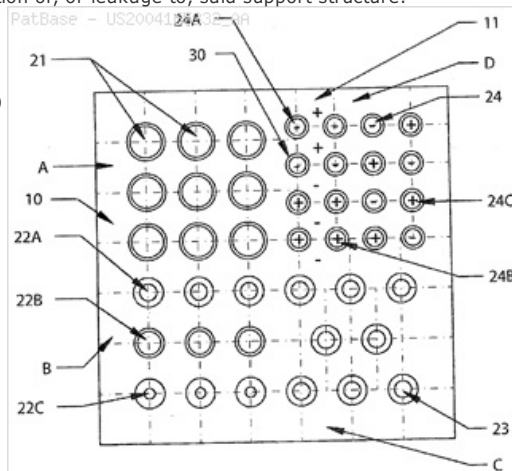
International (IPC 8-9): B25B11/00 B30B15/02 B41F19/02
B41F27/00 B41F27/02 B41K3/36 B41M1/24 B44B3/00 B44B3/06
B44B5/02 B44C1/14 H01B1/02 H01F7/02 (Advanced/Invention);
B25B11/00 B30B15/02 B41K3/00 B44B5/00 H01F7/02 (Core/Invention)

International (IPC 1-7): B25B11/00 B30B15/02 B41F19/02
B41F27/00 B41F27/02 B41K3/36 B41M1/24 B44B3/00 B44B3/06
B44C1/14 H01B1/02 H01F7/02 H01H47/00

CPC: B25B11/002 B44B5/02

European: B25B11/00B B44B5/02

US: 361/144



Family:

Publication number	Publication date	Application number	Application date
AU2001004247 A0	20010517	AU2001PR04247	20010405
AU2002245938 AA	20021021	AU2002245938	20020404
AU424701 A0	20010517	AU2001PR04247	20010405
CA2443629 AA	20031006	CA20022443629	20020404
JP2004533113 T2	20041028	JP20020579237T	20020404
US2004165332 AA	20040826	US20030680552	20031006
WO02081221 A1	20021017	WO2002AU00431	20020404
WO02081221 B1	20030103	WO2002AU00431	20020404

Priority:

AU2001PR04247 20010405 WO2002AU00431 20020404

Probable Assignee: BESON R

Assignee(s): (std): BESON R ; BESON ROBERT

Inventor(s): (std): BESON ROBERT

Agent(s): SHAPIRO COHEN; AVENTUM IP LAW LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ OM PH PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AU2002245938 AA	20021021	LSPB	+	published / reissued	
CA2443629 AA	20031006	LSPB	+	published / reissued	
CA2443629 AA	20070404	LSLE	-FZDE	DEAD	
JP2004533113 T2	20041028	LSPB	+	published / reissued	
JP2004533113 T2	20050405	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20050404
JP2004533113 T2	20050405	LSER	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20050404
JP2004533113 T2	20080214	LSER	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20080213
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						EFFECTIVE DATE : 20080702
US2004165332 AA	20040826	LSPB	+	published / reissued		
US2004165332 AA	20060306	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action		
WO02081221 A1	20021017	LSPB	+	published / reissued		
WO02081221 B1	20030103	LSRE	+B	LATER PUBLICATION OF AMENDED CLAIMS		
WO02081221 B1	20031006	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2002579237 COUNTRY OF REF DOCUMENT : JP	
WO02081221 B1	20031006	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 10680552 COUNTRY OF REF DOCUMENT : US	
WO02081221 B1	20031006	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2443629 COUNTRY OF REF DOCUMENT : CA	
WO02081221 B1	20040219	LSWD	REG	REFERENCE TO NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : 8642	
WO02081221 B1	20040519	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE	REF COUNTRY CODE : WO	

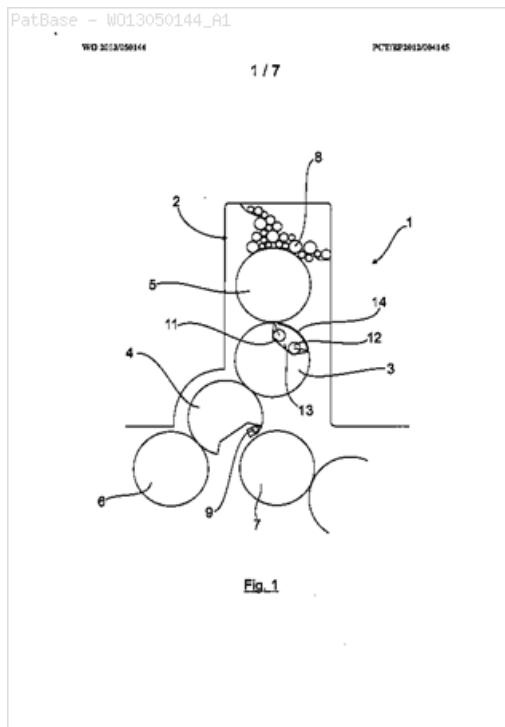
Title: DEVICE FOR PUNCHING PROVIDED WITH A ROTATION CYLINDER

Abstract: The invention relates to a device for punching for rotary presses and/or rotary printing presses, comprising a rotation cylinder having a holding device (11, 12), by means of which a base plate (10) made of a flexible and dimensionally stable material is fixed to the rotary cylinder (3). Fixing rods (17, 18) are arranged at a distance from each other in the peripheral direction of the rotary cylinder (3), by means of which a flexible tool support (19) supporting at least one machining tool (52) is maintained in such a manner on the rotary cylinder (3) such that said tool support lies directly or indirectly on the base plate (10). Said tool plate (19) is maintained in a detachable and/or moveable manner inside predefined adjustable areas relative to the rotation cylinder (3), in particular in relation to the holding device (11, 12) and/or in relation to the base plate (10) and/or relative to at least one fixing rod (17, 18), and maintained after displacement, in a fixed manner on the rotation cylinder (3), in particular on the maintaining device (11, 12) and/or on the base plate (10) and/or on at least one fixing rod (17, 18). According to the invention, the tool plate is formed from a stamped sheet metal (19).

Classifications:

International (IPC 8-9): B26D7/00 B26D7/26 B41F13/54 B41F19/00 B41F27/00 B41F30/00 B41G7/00 (Advanced/Invention)

CPC: B26D2007/2607 B41F19/008



Family:

Publication number	Publication date	Application number	Application date
DE102011115088 A1	20130411	DE201110115088	20111007
WO13050144 A1	20130411	WO2012EP04145	20121004

Priority:

DE201110115088 20111007

Probable Assignee: CITO SYSTEM GMBH

Assignee(s): (std): CITO SYSTEM GMBH

Inventor(s): (std): KELLERMANN OLIVER ; CROCI ROBERTO

Agent(s): LIEBL THOMAS

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
DE102011115088 A1	20130411	LSPB	+	published / reissued	
DE102011115088 A1	20111007	LSES	+R012	REQUEST FOR EXAMINATION VALIDLY FILED	
DE102011115088 A1	20140305	LSRV	-R002	REFUSAL DECISION IN EXAMINATION/REGISTRATION PROCEEDINGS	
DE102011115088 A1	20140710	LSRV	-R003	REFUSAL DECISION NOW FINAL	EFFECTIVE DATE : 20140411
WO13050144 A1	20130411	LSPB	+	published / reissued	
WO13050144 A1	20140407	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE

WO13050144 A1	20141029	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE	REF DOCUMENT NUMBER : 12783102 COUNTRY OF REF DOCUMENT : EP KIND CODE OF REF DOCUMENT : A1 DESIGNATED STATE(S) :
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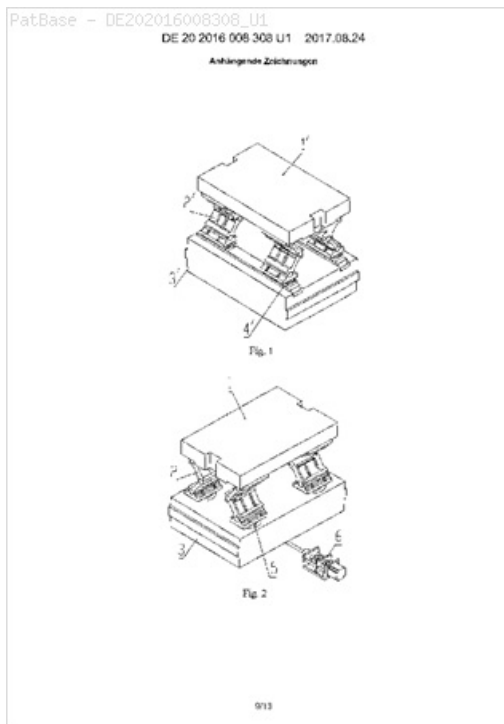
Title: ANPASSUNGSEINRICHTUNG FUER BEWEGUNGSPLATTFORM EINER FLACHPRESSENDEN FLACHFOLIENPRAEGENDEN STANZENMASCHINE

Abstract: Source: DE202016008308U1 [DE] Anpassungseinrichtung fuer Bewegungsplattform einer flachpressenden flachfolienpraegenden Stanzenmaschine, dadurch gekennzeichnet, umfassend: eine Bewegungsplattform (1), einen doppelkniestangenmechanischen Mechanismus (2), einen Sockel (3), einen Plungerzylinder (5), und einen hydraulische Steuermechanismus (6); wobei der doppelkniestangenmechanische Mechanismus (2) auf dem Boden der Bewegungsplattform (1) zum Antrieb der Bewegung der Bewegungsplattform (1) ausgebildet ist und mit der Bewegungsplattform (1) eine Folienpraegestanzanordnung bildet; wobei der Plungerzylinder (5) am Ende des doppelkniestangenmechanischen Mechanismus (2) zur Hoeehensteuerung der Bewegungsplattform oder der Folienpraegestanzanordnung ausgebildet ist; wobei der Plungerzylinder (5) ein Zylinderfass (5-2) und einen in dem Zylinderfass (5-2) angeordnete und in dem Zylinderfass (52) bewegliche Plunger (5-1) umfasst, dessen Endeoberflaeche mit dem Boden des doppelkniestangenmechanischen Mechanismus (2) oder mit dem Boden der Bewegungsplattform (1) verbunden ist; wobei der hydraulische Steuermechanismus (6) mit dem Plungerzylinder (5) zur Bereitstellung der hydraulischen Leistung fuer den Plungerzylinder (5) verbunden ist und den Plunger (5-1) antreibt, in dem Zylinderfass (5-2) nach oben und unten zu bewegen.

Classifications:

International (IPC 8-9): B26D7/26 B26F1/40 B30B1/10 B30B15/14 B31B50/14 B31B50/88 B31F1/07 B41F13/56 B41F19/06 B41G1/02 (Advanced/Invention)

CPC: B30B1/10 B31B50/14 B31F1/07 B30B15/24 B41F19/06 B41F13/56 B41G1/02



Family:

Publication number	Publication date	Application number	Application date
CH712412 A2	20171031	CH20160000810	20160627
CN105729998 A	20160706	CN201610242114	20160419
CN105729998 B	20181026	CN201610242114	20160419
CN205523010 U	20160831	CN201620328644U	20160419
DE102016007847 A1	20171019	DE201610007847	20160627
DE202016008308 U1	20170824	DE201620008308U	20160627

Priority:

CN201610242114 20160419 CN201620328644U 20160419 DE201610007847 20160627

Probable Assignee: TANGSHAN RECORD TECH CO LTD

Assignee(s): (std): TANGSHAN RECORD TECH CO LTD

Assignee(s): TANGSHAN RECORD TECHNOLOGY CO ; TANGSHAN RECORD TECHNOLOGY CO LTD ; LTD TANGSHAN RUI UP

Inventor(s): (std): SHAOJUN GE ; GE SHAOJUN

Legal status (INPADOC)

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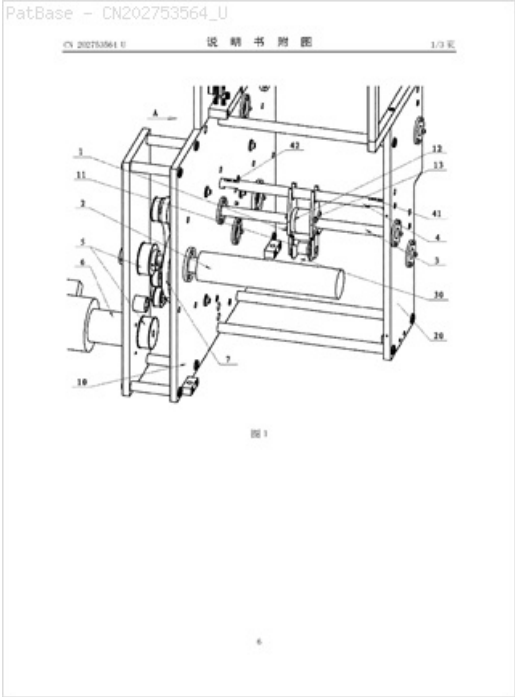
Patent	Date recorded	Event group	Code	Event	Details
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CN105729998 A	20160706	LSPB	+	published / reissued	
CN105729998 A	20160706	LSPB	+C06	PUBLICATION	
CN105729998 B	20181026	LSGT	+	granted / extensions (spc, cpc, pte)	
CN105729998 B	20181026	LSGT	+GR01	PATENT GRANT	
CN105729998 B	20360419	PEXP		Calculated Patent Term Expiry	
CN205523010 U	20160831	LSGT	+	granted / extensions (spc, cpc, pte)	

CN205523010 U	20160831	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL
CN205523010 U	20181026	LSWD	-AV01	PATENT RIGHT ACTIVELY ABANDONED
CN205523010 U	20260419	PEXP		Calculated Patent Term Expiry
DE102016007847 A1	20171019	LSPB	+	published / reissued
DE102016007847 A1	20160627	LSES	+R012	REQUEST FOR EXAMINATION VALIDLY FILED
DE102016007847 A1	20170905	LSES	R016	RESPONSE TO EXAMINATION COMMUNICATION
DE102016007847 A1	20171023	LSRV	-R002	REFUSAL DECISION IN EXAMINATION/REGISTRATION PROCEEDINGS
DE102016007847 A1	20171128	LSRV	-R003	REFUSAL DECISION NOW FINAL
DE202016008308 U1	20170824	LSGT	+	granted / extensions (spc, cpc, pte)
DE202016008308 U1	20170824	LSGT	R207	UTILITY MODEL SPECIFICATION
DE202016008308 U1	20260627	PEXP		Calculated Patent Term Expiry

Title: AUTOMATICALLY COLLECTING WASTE FOIL GUIDING MECHANISM FOR GILDING MACHINE

Abstract: Source: CN202753564U **Machine translation:** The utility model discloses a foil to make the waste evenly wound closing **foil stamping machine** axis automatic collection of waste foil guiding means, including cross-connected between the drive and the drive plate sidewall spacers board income foil axis, guide rod and screw shaft, two mounted gear shaft closing foil, guide rods are mounted a proximity sensor, an outer screw shaft is connected pendulum plate and the first timing belt pulleys, the other two each swing plate installing a second timing belt pulleys, timing belt the first pinion and the third round, second pinion, and the first timing belt pulleys, timing belt pulleys and the second round by a third belt timing belt linkage, the wobble plate to the screw shaft as the axis between the first stopper and a second stopper and the swing, the first pinion and the second pinion meshed with the large gear alternately, by the screw slider, a pair of guide wheel and guide wheel fixing plates thereof; mounted on the cylinder side wall panel of the drive, the free end of the piston rod of the cylinder is connected to the plate and swing controlled proximity sensor.

Classifications:
International (IPC 8-9): B41F13/02 B41F19/06
B41G1/00 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN202753564 U	20130227	CN201220392424U	20120809

Priority:
CN201220392424U 20120809

Probable Assignee: SHANGHAI YAWA PRINTING MACHINERY CO LTD
Assignee(s): (std): SHANGHAI YAWA PRINTING MACHINERY CO LTD
Assignee(s): SHANGHAI YAWA PRINTING MACHINERY CO
Inventor(s): (std): XUE YIHUA

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN202753564 U	20130227	LSGT	+	granted / extensions (spc, cpc, pte)	
CN202753564 U	20130227	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN202753564 U	20160928	LSRV	-EXPY	TERMINATION OF PATENT RIGHT OR UTILITY MODEL	
CN202753564 U	20220809	PEXP		Calculated Patent Term Expiry	

Title: FOIL UNWINDING DEVICE FOR STAMPING MACHINE

Abstract: A device 100 for unwinding foil to accumulate at least one stamping foil 20 upstream of an advance shaft 50. The device 100 includes two series 110, 120 of diverting elements 111, 121. One series is mobile relative to the other to define a foil circulation path of variable length. The mobile series moves between a close together position and a far apart position as the foil advances. A movement device 130 moves the mobile elements 110 as a function of a variable rotation speed difference between an advance shaft 50 of the foil that turns at variable speed and a rotary drive member 131 that turns at a constant speed substantially at the average rotation speed of the advance shaft 50. A transmission between the shaft 50 and the member 131 enables them to rotate at variable and constant speeds.

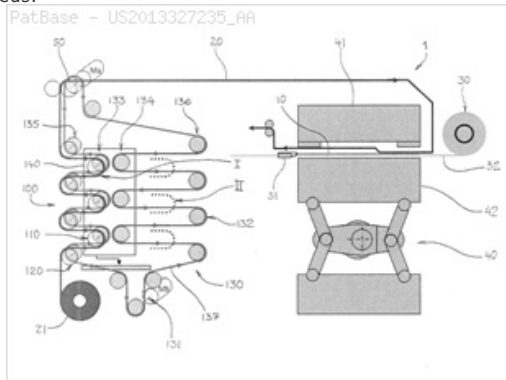
Classifications:

International (IPC 8-9): B41F1/38 B41K3/36 B44B5/00 B65H16/00 B65H20/06 B65H20/24 B65H23/182 B65H23/188 (Advanced/Invention)

CPC: B44B5/0004 B65H23/182 B65H2301/4491 B65H2403/20 B65H20/24

European: B65H20/24 L65H301/4491 L65H403/20

US: 101/3.1 242/417



Family:

Publication number	Publication date	Application number	Application date
AU2012222617 AA	20120907	AU20120222617	20120215
BR112013019919 A2	20161213	BR20131119919	20120215
CA2828450 AA	20130827	CA20122828450	20120215
CN103391892 A	20131113	CN201280010647	20120215
EP2681141 A1	20140108	EP20120704694	20120215
JP2014509997 T2	20140424	JP20130555776T	20120215
JP2015098403 A2	20150528	JP20150035732	20150225
KR20130124567 A	20131114	KR20137024258	20120215
RU2555402 C1	20150710	RU20130143802	20120215
TW201302591 A	20130116	TW20120106188	20120224
TWI454417 B	20141001	TW20120106188	20120224
US2013327235 AA	20131212	US20120001217	20120215
WO12116781 A1	20120907	WO2012EP00654	20120215

Priority:

EP20110001601 20110228 EP20120704694 20120215 WO2012EP00654 20120215
JP20130555776 20120215 JP20130555776T 20120215

Probable Assignee: BOBST MEX SA

Assignee(s): (std): BOBST MEKS SA ; BOBST MEX SA ; BOBST SA ; REBEAUD JEAN CLAUDE

Assignee(s): BOBST S A

Inventor(s): (std): REBEAUD JEAN CLAUDE ; JEAN CLAUDE REBEAUD ; REBO ZHAN KLOD

Agent(s): FB RICE; FB RICE PTY LTD; SMART AND BIGGAR; POIRIER JEAN MICHEL SERGE; INO SARI; KURASAWA ICHIRO; MATSUSHITA MITSURU; DESHIMARU TAKESHI; KUMAKURA YOSHIO; POIRIER JEAN MICHEL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
AU2012222617 AA	20120907	LSPB	+	published / reissued	
BR112013019919 A2	20170321	LSFE	-B08F	APPLICATION FEES: DISMISSAL - ARTICLE 86 OF INDUSTRIAL PROPERTY LAW	
BR112013019919 A2	20170704	LSLE	-B08K	LAPSE AS NO EVIDENCE OF PAYMENT OF THE ANNUAL FEE HAS BEEN FURNISHED TO INPI (ACC. ART. 87)	
CA2828450 AA	20130827	LSPB	+	published / reissued	
CA2828450 AA	20131005	LSES	+EEER	EXAMINATION REQUEST	EFFECTIVE DATE : 20130827
CA2828450 AA	20160501	LSLE	-FZDE	DEAD	EFFECTIVE DATE : 20160318

CN103391892 A	20131113	LSPB	+	published / reissued	
CN103391892 A	20131113	LSPB	+C06	PUBLICATION	
CN103391892 A	20160210	LSDW	-C02	DEEMED WITHDRAWAL OF PATENT APPLICATION AFTER PUBLICATION (PATENT LAW 2001)	
EP2681141 A1	20140108	LSPB	+	published / reissued	
EP2681141 A1	20140108	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20130902
EP2681141 A1	20170208	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	EFFECTIVE DATE : 20160901
JP2014509997 T2	20140424	LSPB	+	published / reissued	
JP2014509997 T2	20140826	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20140825
JP2014509997 T2	20150225	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20150225
JP2014509997 T2	20150324	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20150323
JP2014509997 T2	20151125	LSRV	-A02	DECISION OF REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A02 EFFECTIVE DATE : 20151124
JP2015098403 A2	20150528	LSPB	+	published / reissued	
JP2015098403 A2	20150327	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20150327
JP2015098403 A2	20150327	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20150327
JP2015098403 A2	20151104	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20151102
JP2015098403 A2	20160328	LSRV	-A02	DECISION OF REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A02 EFFECTIVE DATE : 20160328
KR20130124567 A	20131114	LSPB	+	published / reissued	
KR20130124567 A	20130913	LSES	A201	REQUEST FOR EXAMINATION	
KR20130124567 A	20140825	LSES	-E902	NOTIFICATION OF REASON FOR REFUSAL	
KR20130124567 A	20150612	LSGT	+E701	DECISION TO GRANT OR REGISTRATION OF PATENT RIGHT	
RU2555402 C1	20150710	LSGT	+	granted / extensions (spc, cpc, pte)	
RU2555402 C1	20161010	LSLE	-MM4A	THE PATENT IS INVALID DUE TO NON-PAYMENT OF FEES	EFFECTIVE DATE : 20160216
RU2555402 C1	20320215	PEXP		Calculated Patent Term Expiry	
TW201302591 A	20130116	LSPB	+	published / reissued	
TWI454417 B	20141001	LSGT	+	granted / extensions (spc, cpc, pte)	
TWI454417 B	20160701	LSLE	-MM4A	ANNULMENT OR LAPSE OF PATENT DUE TO	

NON-PAYMENT OF FEES					
TWI454417 B	20320224	PEXP		Calculated Patent Term Expiry	
US2013327235 AA	20131212	LSPB	+	published / reissued	
US2013327235 AA	20130823	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : BOBST MEX SA, SWITZERLAND OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:REBEAUD, JEAN-CLAUDE; REEL/FRAME:031068/0358 EFFECTIVE DATE : 20130710
US2013327235 AA	20150918	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
WO12116781 A1	20120907	LSPB	+	published / reissued	
WO12116781 A1	20130808	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2012222617 COUNTRY OF REF DOCUMENT : AU DATE OF REF DOCUMENT : 20120215 KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO12116781 A1	20130823	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 14001217 COUNTRY OF REF DOCUMENT : US
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WO12116781 A1	20161213	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 112013019919 COUNTRY OF REF DOCUMENT : BR KIND CODE OF REF DOCUMENT : A2 DESIGNATED STATE(S) : EFFECTIVE DATE : 20130805

Title: METHOD AND INSTALLATION FOR APPLYING FOIL MATERIAL ONTO SUCCESSIVE SHEETS

Abstract: There is described a method for applying foil material (200) onto successive sheets (S), especially sheets of securities. In a first step, individual sheets (S) are transported in succession along a sheet transport path. In a second step, at least one continuous band of foil material (200) is applied onto the individual sheets (S) along a direction substantially parallel to a direction of displacement of the individual sheets, thereby forming a continuous flow of sheets linked to one another by the said at least one continuous band of foil material (200). In a third step, the said at least one continuous band of foil material (200) is cut by means of a laser beam such that the continuous flow of sheets is again separated into individual sheets (S) with portions of foil material (200ss) remaining on the sheet. The cutting is performed at positions located on the sheets (S) such that said portions of foil material (200ss) remaining on the sheets do not extend beyond leading and trailing edges of the sheets (S). Waste portions (205) of said at least one continuous band of foil material (200) that are not to remain on the sheets (S) are evacuated by aspiration, evacuation being carried out by direct aspiration of the waste portions (205) at least at a first position located downstream of and proximate to a cutting position where said at least one continuous band of foil material (200) is cut by the laser beam. There is also described an installation for carrying out the above method.

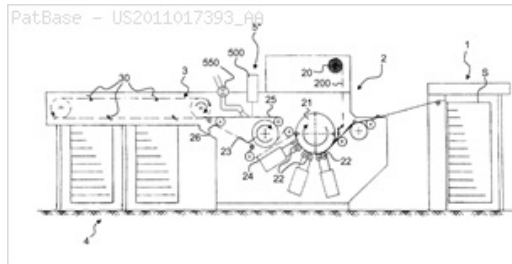
Classifications:

International (ipc 8-9): B29C65/00 B32B37/00 B32B37/22
B32B38/00 B32B38/04 B32B38/10 B41F19/06 (Advanced/Invention);
B41F19/00 (Core/Invention)

CPC: B41F19/062

European: B41F19/06B

US: 156/267 156/379.6 156/510 156/510S 156/522 156/552

**Family:**

Publication number	Publication date	Application number	Application date
CN102015307 A	20110413	CN200980115626	20090306
CN102015307 B	20120808	CN200980115626	20090306
DE602009024902 D1	20140807	DE200960024902T	20090306
EP2100736 A1	20090916	EP20080152798	20080314
EP2257434 A1	20101208	EP20090720340	20090306
EP2257434 B1	20140625	EP20090720340	20090306
ES2495094 T3	20140916	ES20090720340T	20090306
US2011017393 AA	20110127	US20090922039	20090306
US8636047 BB	20140128	US20090922039	20090306
WO09112989 A1	20090917	WO2009IB50939	20090306
WO09112989 A9	20091105	WO2009IB50939	20090306

Priority:

EP20080152798 20080314 EP20090720340 20090306 WO2009IB50939 20090306

Probable Assignee: KBA NOTASYS SA

Assignee(s): (std): EITEL JOHANN EMIL ; GYGI MATTHIAS ; KBA GIORI SA ; KBA NOTASYS SA ; NAGLER KURT GEORG

Assignee(s): KBA GIORI S A

Inventor(s): (std): EITEL JOHANN EMIL ; EMIL EITEL JOHANN ; GEORG NAGLER KURT ; GYGI MATTHIAS ; MATTHIAS GYGI ; NAGLER KURT GEORG

Agent(s): GROSFILLIER PHILIPPE; NOLL RONALD; DE ELZABURU ALBERTO; SEAGER TUFTE AND WICKHEM LLC

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN102015307 A	20110413	LSPB	+	published / reissued	
CN102015307 A	20110413	LSPB	+C06	PUBLICATION	
CN102015307 B	20120808	LSGT	+	granted / extensions (spc, cpc, pte)	
CN102015307 B	20120808	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN102015307 B	20290306	PEXP		Calculated Patent Term Expiry	
EP2100736 A1	20090916	LSPB	+	published / reissued	
EP2100736 A1	20091230	LSAS	RAP1	RIGHTS OF AN APPLICATION TRANSFERRED	PARTYTYPE : OWNER OWNER : KBA-GIORI S.A.

EP2100736 A1	20100519	LSFE	+AKX	DESIGNATION FEES PAID	
EP2100736 A1	20100908	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	EFFECTIVE DATE : 20100317
EP2257434 A1	20101208	LSPB	+	published / reissued	
EP2257434 A1	20101208	LSSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20100921
EP2257434 A1	20110223	LSAS	RAP1	RIGHTS OF AN APPLICATION TRANSFERRED	PARTYTYPE : OWNER OWNER : KBA-NOTASYS SA
EP2257434 A1	20131009	LSGT	+INTG	INTENTION TO GRANT ANNOUNCED	EFFECTIVE DATE : 20130916
EP2257434 A1	20160429	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT PAYMENT DATE : 20160122 YEAR OF FEE PAYMENT : 8
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				[ANNOUNCED FROM NATIONAL OFFICE TO EPO]	TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20140625
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EP2257434 B1	20170531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : HU NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT; INVALID AB INITIO LAPSED DATE : 20090306
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EP2257434 B1	20180306	LSFE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 10
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EP2257434 B1	20180430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH PAYMENT DATE : 20180319 YEAR OF FEE PAYMENT : 10
EP2257434 B1	20180430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20180319 YEAR OF FEE PAYMENT : 10
EP2257434 B1	20180531	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT PAYMENT DATE : 20180125 YEAR OF FEE PAYMENT : 10
EP2257434 B1	20180531	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20180306 YEAR OF FEE PAYMENT : 10

EP2257434 B1	20180627	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : ES REF LEGAL EVENT CODE : FD2A EFFECTIVE DATE : 20180627
EP2257434 B1	20180629	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : MK NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20140625
EP2257434 B1	20180731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20170307
EP2257434 B1	20181115	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : MM01 REF DOCUMENT NUMBER : 674386 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20180306
EP2257434 B1	20181231	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20180401
EP2257434 B1	20190131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20180306
EP2257434 B1	20290306	PEXP		Calculated Patent Term Expiry	
ES2495094 T3	20140916	LSGT	+	granted / extensions (spc, cpc, pte)	
ES2495094 T3	20290306	PEXP		Calculated Patent Term Expiry	
US2011017393 AA	20110127	LSPB	+	published / reissued	
US2011017393 AA	20110822	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : KBA-NOTASYS SA, SWITZERLAND OLDPARTY : CHANGE OF NAME; ASSIGNOR:KBA-GIORI S.A.; REEL/FRAME:026787/0038 EFFECTIVE DATE : 20101217
US8636047 BB	20140128	LSGT	+	granted / extensions (spc, cpc, pte)	
US8636047 BB	20101007	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : KBA-GIORI S.A., SWITZERLAND OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:EITEL, JOHANN EMIL; GYGI, MATTHIAS; NAGLER, KURT GEORG; SIGNING DATES FROM 20100911 TO 20100927; REEL/FRAME:025109/0072
US8636047 BB	20140108	LSGT	PAT1	Patented Case	
US8636047 BB	20170911	LSFE	FEPP	FEE PAYMENT PROCEDURE	TEXT : MAINTENANCE FEE REMINDER MAILED (ORIGINAL EVENT CODE: REM.)
US8636047 BB	20180226	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	TEXT : PATENT EXPIRED FOR FAILURE TO PAY MAINTENANCE FEES (ORIGINAL EVENT CODE: EXP.)
US8636047 BB	20180226	LSLE	-PEX1	Patent Expired Due to NonPayment of	

US8636047 BB	20180320	LSLE	-FP	Maintenance Fees Under 37 CFR 1.362 EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20180128
US8636047 BB	20291126	PEXP		Calculated Patent Term Expiry (PTA 265 days)	
WO09112989 A1	20090917	LSPB	+	published / reissued	
WO09112989 A1	20090306	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 200980115626.4 COUNTRY OF REF DOCUMENT : CN
WO09112989 A9	20100915	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO09112989 A9	20100921	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2009720340 COUNTRY OF REF DOCUMENT : EP
WO09112989 A9	20101007	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 12922039 COUNTRY OF REF DOCUMENT : US

Title: FOIL STAMPING MACHINE

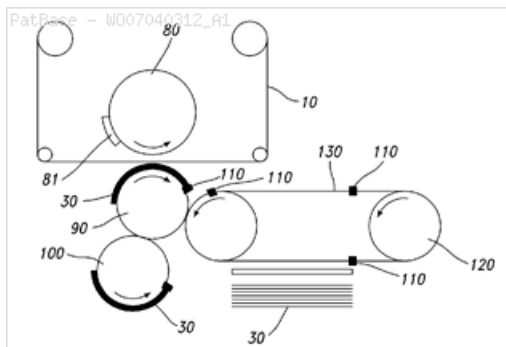
Abstract: Disclosed is a **foil stamping machine** in which a paper to be printed by a foil is preheated to obtain printing reliability. In a **foil stamping machine**, which prints a foil layer of a foil on a paper, the foil being provided with the foil layer and a heat reaction adhesive coating layer sequentially adhered to a film layer, the **foil stamping machine** includes a printing unit printing the foil on the paper using heat and pressure of a foil die, and a preheater preheating the paper before printing is printed by the printing unit.

Classifications:

International (IPC 8-9): B41F17/00 B41G1/04 (Advanced/Invention);
B41F17/00 B41G1/04 (Advanced/Non-invention);
B41F17/00 B41G1/00 (Core/Invention)

CPC: B41F19/06 B41F17/00 B41F19/002 B41F23/0403 B41F23/0426
B41G1/04

European: B41F19/06

**Family:**

Publication number	Publication date	Application number	Application date
KR100733811 B1	20070702	KR20050093885	20051006
KR20070038686 A	20070411	KR20050093885	20051006
WO07040312 A1	20070412	WO2006KR03833	20060927

Priority:

KR20050093885 20051006

Probable Assignee: SONG BYUNG JUN

Assignee(s): (std): SONG BYUNG JUN

Inventor(s): (std): SONG BYUNG JUN

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KZ LA LC LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
KR100733811 B1	20070702	LSGT	+	granted / extensions (spc, cpc, pte)	
KR100733811 B1	20080422	LSRE	G170	PUBLICATION OF CORRECTION	
KR100733811 B1	20110624	LSFE	FPAY	ANNUAL FEE PAYMENT	PAYMENT DATE : 20110624 YEAR OF FEE PAYMENT : 5
KR100733811 B1	20120626	LSLE	-LAPS	LAPSE DUE TO UNPAID ANNUAL FEE	
KR100733811 B1	20251006	PEXP		Calculated Patent Term Expiry	
KR20070038686 A	20070411	LSPB	+	published / reissued	
KR20070038686 A	20051108	LSER	A201	REQUEST FOR EXAMINATION	
KR20070038686 A	20061030	LSER	-E902	NOTIFICATION OF REASON FOR REFUSAL	
KR20070038686 A	20070323	LSGT	+E701	DECISION TO GRANT OR REGISTRATION OF PATENT RIGHT	
KR20070038686 A	20070625	LSGT	+GRNT	WRITTEN DECISION TO GRANT	
WO07040312 A1	20070412	LSPB	+	published / reissued	
WO07040312 A1	20080408	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO07040312 A1	20081029	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE	REF DOCUMENT NUMBER : 06798916 COUNTRY OF REF DOCUMENT : EP KIND CODE OF REF DOCUMENT : A1 DESIGNATED STATE(S) :

Title: DRIVE DEVICE FOR STAMPING STRIP, UNWINDING MODULE AND STAMPING MACHINE PROVIDED THEREWITH

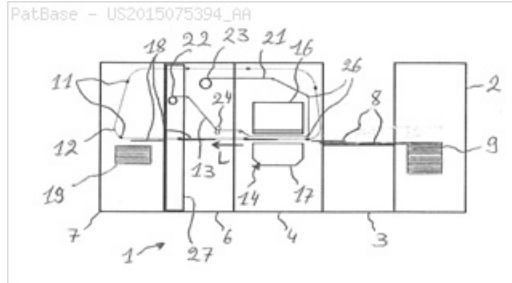
Abstract: Drive device for unwinding a reel of foil in an unwinding module of a stamping machine, having an inactive position, and an active position in engagement with the reel, and comprising: a belt, having an inactive configuration, and an active configuration for contacting a portion of the reel and driven by a driver of the module so as to unwind the reel, rollers, maintaining the belt in the inactive and the active configuration, a translatable roller, which engages the belt and compensates for variations in length when the belt moves from the inactive to the active configuration, and a biasing arrangement, attached to the roller and thereby keeping the belt tensioned in both the inactive and the active configuration, and the biasing arrangement is actuated and disengaged from the belt, to move the belt from the inactive to the active configuration and vice versa.

Classifications:

International (IPC 8-9): B26F1/40 B41F16/00 B41F19/02 B41F19/06 B65H16/02 B65H16/10 B65H18/08 B65H18/14 B65H20/06 B65H23/18 B65H29/20 (Advanced/Invention); B26F1/40 (Advanced/Non-invention)

CPC: B41F19/02 B65H16/106 B65H2301/44322 B65H2301/5126 B41F19/068 B65H18/145 B65H2301/4493 B65H2403/25 B65H2801/81 B26F1/40 B65H20/06

US: 101/3.1 242/564.5



Family:

Publication number	Publication date	Application number	Application date
BR112014024763 A2	20170620	BR20141124763	20130321
BR112014024763 A8	20170725	BR20141124763	20130321
CN104334482 A	20150204	CN201380028935	20130321
CN104334482 B	20180327	CN201380028935	20130321
DE602013008207 D1	20160714	DE201360008207T	20130321
EP2834177 A1	20150211	EP20130712687	20130321
EP2834177 B1	20160601	EP20130712687	20130321
ES2579347 T3	20160810	ES20130712687T	20130321
IN07961CN2014 A	20160701	IN2014CN07961	20141030
JP2015520043 T2	20150716	JP20150503777T	20130321
JP6306567 B2	20180404	JP20150503777T	20130321
KR101521070 B1	20150515	KR20147030770	20130321
KR20140134341 A	20141121	KR20147030770	20130321
TW201343524 A	20131101	TW20130110634	20130326
TWI597229 B	20170901	TW20130110634	20130326
US2015075394 AA	20150319	US20130390618	20130321
US9656455 BB	20170523	US20130390618	20130321
WO13149703 A1	20131010	WO2013EP00849	20130321

Priority:

EP20120002436 20120404 EP20130712687 20130321 WO2013EP00849 20130321

Probable Assignee: BOBST MEX SA

Assignee(s): (std): BOBST MEX S A ; BOBST MEX SA

Inventor(s): (std): SUN XIGUANG

Inventor(s): XIGUANG SUN

Agent(s): EHNLE MARCUS; DE ELZABURU ALBERTO; INO SARI; KURASAWA ICHIRO; MATSUSHITA MITSURU; DESHIMARU TAKESHI; KUMAKURA YOSHIO; OSTROLENK FABER LLP; POIRIER JEAN MICHEL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN104334482 A	20150204	LSPB	+	published / reissued	
CN104334482 A	20150204	LSPB	+C06	PUBLICATION	
CN104334482 B	20180327	LSGT	+	granted / extensions (spc, cpc, pte)	
CN104334482 B	20180327	LSGT	+GR01	PATENT GRANT	
CN104334482 B	20330321	PEXP		Calculated Patent Term Expiry	
EP2834177 A1	20150211	LSPB	+	published / reissued	
EP2834177 A1	20150211	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20141103

EP2834177 A1	20160127	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : B41F 19/02 20060101AFI20151218BHEP
EP2834177 A1	20160127	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : B65H 20/06 20060101ALI20151218BHEP
EP2834177 A1	20160127	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : B65H 16/10 20060101ALI20151218BHEP
EP2834177 A1	20160127	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : B41F 19/06 20060101ALI20151218BHEP
EP2834177 A1	20160127	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : B26F 1/40 20060101ALI20151218BHEP
EP2834177 A1	20160127	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : B65H 18/14 20060101ALI20151218BHEP
EP2834177 A1	20160316	LSGT	+INTG	INTENTION TO GRANT ANNOUNCED	EFFECTIVE DATE : 20160219
EP2834177 B1	20160601	LSGT	+	granted / extensions (spc, cpc, pte)	
EP2834177 B1	20160601	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D TEXT : NOT ENGLISH
EP2834177 B1	20160615	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : REF REF DOCUMENT NUMBER : 803635 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20160615
EP2834177 B1	20160615	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP2834177 B1	20160629	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D TEXT : LANGUAGE OF EP DOCUMENT: FRENCH
EP2834177 B1	20160714	LSPB	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R096 REF DOCUMENT NUMBER : 602013008207 COUNTRY OF REF DOCUMENT : DE
EP2834177 B1	20160810	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : ES REF LEGAL EVENT CODE : FG2A REF DOCUMENT NUMBER : 2579347 COUNTRY OF REF DOCUMENT : ES KIND CODE OF REF DOCUMENT : T3 DESIGNATED STATE(S) : EFFECTIVE DATE : 20160810
EP2834177 B1	20160926	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : LT REF LEGAL EVENT CODE : MG4D
EP2834177 B1	20161031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FI NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160601
EP2834177 B1	20161031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL	COUNTRY OF REF DOCUMENT : LT NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE

				OFFICE TO EPO]	FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160601
EP2834177 B1	20161031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NO NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160901
EP2834177 B1	20161115	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : MK05 REF DOCUMENT NUMBER : 803635 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20160601
EP2834177 B1	20161130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160902
EP2834177 B1	20161130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160601
EP2834177 B1	20161130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LV NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160601
EP2834177 B1	20161130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : RS NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160601
EP2834177 B1	20161130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : HR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160601
EP2834177 B1	20161130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160601
EP2834177 B1	20170131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : EE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160601
EP2834177 B1	20170131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SK NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT

LAPSED DATE : 20160601					
EP2834177 B1	20170131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IS NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20161001
EP2834177 B1	20170131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CZ NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160601
EP2834177 B1	20170131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : RO NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160601
EP2834177 B1	20170228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20161003
EP2834177 B1	20170228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160601
EP2834177 B1	20170228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SM NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160601
EP2834177 B1	20170228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PL NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160601
EP2834177 B1	20170302	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R097 REF DOCUMENT NUMBER : 602013008207 COUNTRY OF REF DOCUMENT : DE
EP2834177 B1	20170315	LSFE	REG	REFERENCE TO A NATIONAL CODE	COUNTRY OF REF DOCUMENT : FR REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 5
EP2834177 B1	20170428	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20170314 YEAR OF FEE PAYMENT : 5
EP2834177 B1	20170428	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH PAYMENT DATE : 20170315 YEAR OF FEE PAYMENT : 5
EP2834177 B1	20170428	LSFE	+PGFP	ANNUAL FEE PAID	COUNTRY OF REF DOCUMENT :

				TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	FR PAYMENT DATE : 20170315 YEAR OF FEE PAYMENT : 5
EP2834177 B1	20170510	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20170302
EP2834177 B1	20170531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DK NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160601
EP2834177 B1	20170531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160601
EP2834177 B1	20170531	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20170315 YEAR OF FEE PAYMENT : 5
EP2834177 B1	20170630	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES PAYMENT DATE : 20170214 YEAR OF FEE PAYMENT : 5
EP2834177 B1	20170630	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT PAYMENT DATE : 20170320 YEAR OF FEE PAYMENT : 5
EP2834177 B1	20171130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : MC NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160601
EP2834177 B1	20171227	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : MM4A
EP2834177 B1	20180131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LU NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20170321
EP2834177 B1	20180228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20170321
EP2834177 B1	20180320	LSFE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 6
EP2834177 B1	20180430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20180321 YEAR OF FEE PAYMENT : 6
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EP2834177 B1	20180430	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH PAYMENT DATE : 20180308 YEAR OF FEE PAYMENT : 6
EP2834177 B1	20180531	LSLE	-PG25	LAPSED IN A CONTRACTING	COUNTRY OF REF DOCUMENT : BE NOTIFICATIONOFLAPSE : LAPSE

				STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20170331
EP2834177 B1	20180531	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20180320 YEAR OF FEE PAYMENT : 6
EP2834177 B1	20180531	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT PAYMENT DATE : 20180321 YEAR OF FEE PAYMENT : 6
EP2834177 B1	20180731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES PAYMENT DATE : 20180402 YEAR OF FEE PAYMENT : 6
EP2834177 B1	20180928	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : MT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160601
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EP2834177 B1	20330321	PEXP		Calculated Patent Term Expiry	
ES2579347 T3	20160810	LSGT	+	granted / extensions (spc, cpc, pte)	
ES2579347 T3	20330321	PEXP		Calculated Patent Term Expiry	
IN07961CN2014 A	20160701	LSPB	+	published / reissued	
JP2015520043 T2	20150716	LSPB	+	published / reissued	
JP2015520043 T2	20151104	LSSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20151102
JP2015520043 T2	20160803	LSRV	-A02	DECISION OF REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A02 EFFECTIVE DATE : 20160803
JP2015520043 T2	20161205	LSRE	A524	WRITTEN SUBMISSION OF COPY OF AMENDMENT UNDER SECTION 19 (PCT)	TEXT : JAPANESE INTERMEDIATE CODE: A524 EFFECTIVE DATE : 20161205
JP2015520043 T2	20170120	LSAL	A911	TRANSFER OF RECONSIDERATION BY EXAMINER BEFORE APPEAL (ZENCHI)	TEXT : JAPANESE INTERMEDIATE CODE: A911 EFFECTIVE DATE : 20170119
JP2015520043 T2	20170306	LSAL	-A912	REMOVAL OF RECONSIDERATION BY EXAMINER BEFORE APPEAL (ZENCHI)	TEXT : JAPANESE INTERMEDIATE CODE: A912 EFFECTIVE DATE : 20170303
JP2015520043 T2	20171218	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20171218
JP2015520043 T2	20180315	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20180308
JP2015520043 T2	20180316	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	TEXT : JAPANESE INTERMEDIATE CODE: R150 REF DOCUMENT NUMBER : 6306567 COUNTRY OF REF DOCUMENT : JP
JP6306567 B2	20180404	LSGT	+	granted /	

				extensions (spc, cpc, pte)	
JP6306567 B2	20180308	LSGT	+A01	特許査定書 Decision of patent grant	
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JP6306567 B2	20330321	PEXP		Calculated Patent Term Expiry	
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KR101521070 B1	20330321	PEXP		Calculated Patent Term Expiry	
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KR20140134341 A	20141031	LSSES	A201	REQUEST FOR EXAMINATION	
KR20140134341 A	20141031	LSSES	A302	REQUEST FOR ACCELERATED EXAMINATION	
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KR20140134341 A	20150511	LSGT	+GRNT	WRITTEN DECISION TO GRANT	
KR20140134341 A	20180417	LSFE	FPAY	ANNUAL FEE PAYMENT	PAYMENT DATE : 20180417 YEAR OF FEE PAYMENT : 4
TW201343524 A	20131101	LSPB	+	published / reissued	
TWI597229 B	20170901	LSGT	+	granted / extensions (spc, cpc, pte)	
TWI597229 B	20330326	PEXP		Calculated Patent Term Expiry	
US2015075394 AA	20150319	LSPB	+	published / reissued	
US2015075394 AA	20141104	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : BOBST MEX SA., SWITZERLAND OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:SUN, XIGUANG; REEL/FRAME:034095/0701 EFFECTIVE DATE : 20141022
US9656455 BB	20170523	LSGT	+	granted / extensions (spc, cpc, pte)	
US9656455 BB	20151202	LSSES	NFA1	Non Final Action Mailed	
US9656455 BB	20170503	LSGT	PAT1	Patented Case	
US9656455 BB	20330321	PEXP		Calculated Patent Term Expiry	
WO13149703 A1	20131010	LSPB	+	published / reissued	
WO13149703 A1	20141003	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2015503777 COUNTRY OF REF DOCUMENT : JP KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO13149703 A1	20141003	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 14390618 COUNTRY OF REF DOCUMENT : US
WO13149703 A1	20141006	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO13149703 A1	20141030	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2013712687 COUNTRY OF REF DOCUMENT : EP
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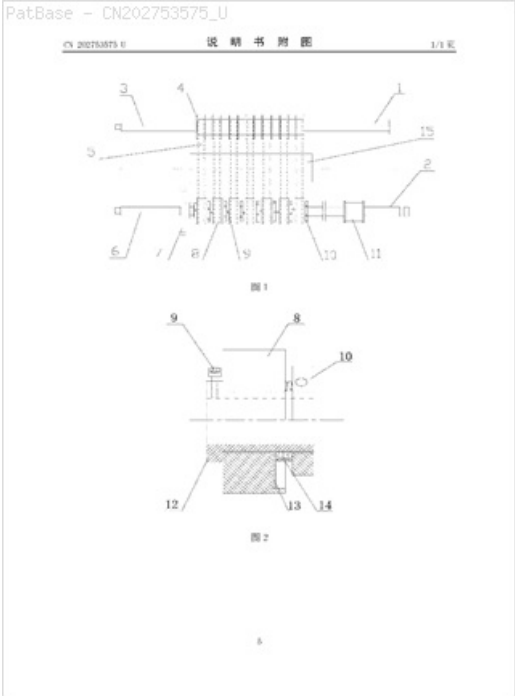
WO13149703 A1	20170620	LSNP	ENP	IN:	COUNTRY OF REF DOCUMENT : KR KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
				ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 112014024763 COUNTRY OF REF DOCUMENT : BR KIND CODE OF REF DOCUMENT : A2 DESIGNATED STATE(S) : EFFECTIVE DATE : 20141003

Title: ALUMITE POSITIONING DEVICE OF GOLD STAMPING MACHINE

Abstract: Source: CN202753575U **Machine translation:** Foil positioning device of the present utility model is a stamping machine, characterized in that the front and rear ends of a winding device and an unwinding device configuration, plus set up in gold foil stamping machine version roll winding shaft winding device Tops with a locator card, unwinding device is equipped with a foil unwinding axis of the core, the core positioning card foil winding and unwinding device means one correspondence, by unwinding device accurately foil tape Import bronzing plate roller and then sent to the reel device positioning card, ensure the accuracy of stamping locations.

Classifications:

International (IPC 8-9): B41F16/00 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN202753575 U	20130227	CN201220452018U	20120906

Priority:

CN201220452018U 20120906

Probable Assignee: HUBEI DANYAXIANG BIOLOG TECHNOLOGY CO LTD

Assignee(s): (std): HUBEI DANYAXIANG BIOLOG TECHNOLOGY CO LTD

Assignee(s): HUBEI DANYAXIANG BIOLOGICAL TECHNOLOGY CO

Inventor(s): (std): ZHANG XINHUA ; WANG JUN ; LIU LINGHONG ; HUANG YUN

Legal status (INPADOC)

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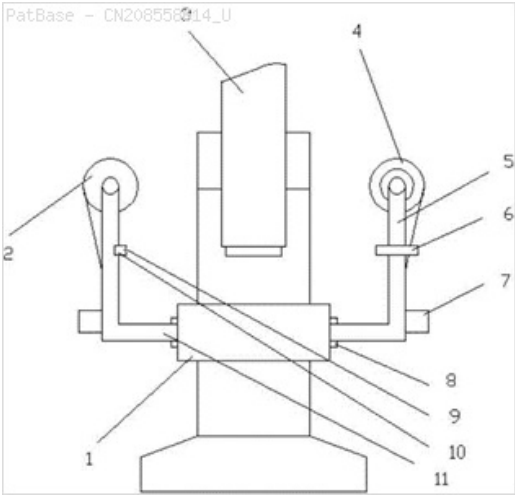
Patent	Date recorded	Event group	Code	Event	Details
CN202753575 U	20130227	LSGT	+	granted / extensions (spc, cpc, pte)	
CN202753575 U	20130227	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN202753575 U	20220906	PEXP		Calculated Patent Term Expiry	

Title: A new stamping machine (Machine translation)

Abstract: Source: CN208558614U **Machine translation:** The utility model discloses a novel stamping machine, comprising: The fuselage, stamping foil roll, roll **foil stamping machine**, precise positioning device, grooves, left slider, the right slider, laser emitter, positioning plate, the positioning hole. The utility model has the beneficial effect that: The utility model by the laser emitter and positioning plate so that the stamping foil roll roll foil with precise positioning device when connected very easily be positioned in the same plane, solves the accurate positioning device in wound roll foil stamping foil when the confusion problem, improve the stamping foil roll roll foil with precise positioning device connected to the efficiency.

Classifications:

International (IPC 8-9): B41F19/06 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN208558614 U	20190301	CN201820544417U	20180417

Priority:

CN201820544417U 20180417

Probable Assignee: SHAOXING YI DRAGON LASER TECHNOLOGY CO LTD

Assignee(s): SHAOXING YI DRAGON LASER TECHNOLOGY CO LTD

Legal status (INPADOC)

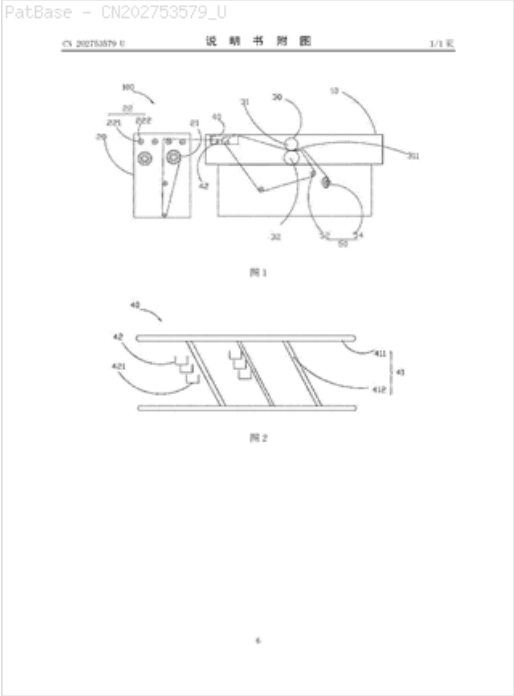
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Patent	Date recorded	Event group	Code	Event	Details
CN208558614 U	20190301	LSGT	+	granted / extensions (spc, cpc, pte)	
CN208558614 U	20190301	LSGT	+GR01	PATENT GRANT	
CN208558614 U	20280417	PEXP		Calculated Patent Term Expiry	

Title: MULTIFUNCTIONAL FOIL LEADING GLIDING MACHINE MECHANISM

Abstract: Source: CN202753579U **Machine translation:** The utility model relates to a multifunctional guide foil stamping press agencies, including the body, carrying foil agencies, stamping equipment, as well as income foil mechanism, the carrier foil stamping mechanism for mounting to be anodized foil, gold foil stamping equipment to treat foil stamping foil, the foil mechanism for closing the foil after stamping foil tape collection, the multifunctional guide **foil stamping machine** mechanism further comprises a foil guide mechanism, the guide foil agency will be a divided foil stamping anodized several columns, the number of columns to be the foil stamping foil stamping are set on the device penetrates several gilt bit corresponding. The utility model multifunction lead **foil stamping machine** mechanism by increasing the lead foil agency, the entire device just installed an anodized aluminum foil, foil frame by guide conversion can share a bit of the plurality of stamping foil; and the use of an anodized aluminum foil, overall equipment anodized aluminum foil to keep the tension on the stable and consistent, which can ensure the equipment is running well, help stabilize and improve the quality of gold foil stamping productivity.

Classifications:
International (IPC 8-9): B41F19/06 B41G1/04 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN202753579 U	20130227	CN201220454576U	20120907

Priority:
CN201220454576U 20120907

Probable Assignee: ZHANJIANG CIGARETTE PACKAGING MATERIAL PRINTING CO LTD

Assignee(s): (std): ZHANJIANG CIGARETTE PACKAGING MATERIAL PRINTING CO LTD

Assignee(s): ZHANJIANG CIGARETTE PACKAGING MATERIAL PRINTING CO

Inventor(s): (std): PAN XIANBAO ; WANG JIAN ; ZHAO HAIYAN ; ZHOU ZAIHE

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN202753579 U	20130227	LSGT	+	granted / extensions (spc, cpc, pte)	
CN202753579 U	20130227	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN202753579 U	20220907	PEXP		Calculated Patent Term Expiry	

Title: METHOD AND MACHINE FOR MOUNTING CLICHES ON A REGISTRATION TABLE OF A FLAT HOT **FOIL STAMPING MACHINE**

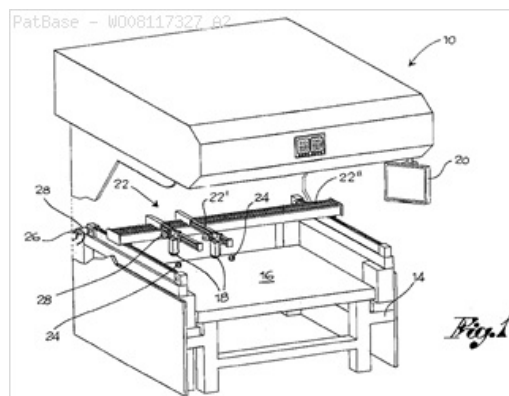
Abstract: The object of the present invention is a method and a machine for mounting at least one cliché on a registration table of a flat hot **foil stamping machine**. The method is based on an alignment by overlapping of a reference image that corresponds to an image to be embossed, and in this overlapping it keeps into account the thermal expansions of the registration table and of the cliché itself.

Classifications:

International (IPC 8-9): B41F19/06 (Advanced/Invention); B41F19/00 (Core/Invention)

CPC: B41F19/068 B44B5/0071 B44B5/0095 B44B5/022

European: B41F19/06C4 B44B5/00E B44B5/00Z B44B5/02B



Family:

Publication number	Publication date	Application number	Application date
EP2132038 A2	20091216	EP20080751517	20080320
ITBS20070041 A1	20080928	IT2007BS00041	20070327
WO08117327 A2	20081002	WO2008IT00185	20080320
WO08117327 A3	20081231	WO2008IT00185	20080320

Priority:

IT2007BS00041 20070327 WO2008IT00185 20080320

Probable Assignee: SYS TEC S R L

Assignee(s): (std): CALIARI FRANCO ; SYS TEC S R I ; SYS TEC S R L

Assignee(s): SYS TEC SRI

Inventor(s): (std): CALIARI FRANCO

Agent(s): CHIMINI FRANCESCO

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Legal status (INPADOC)

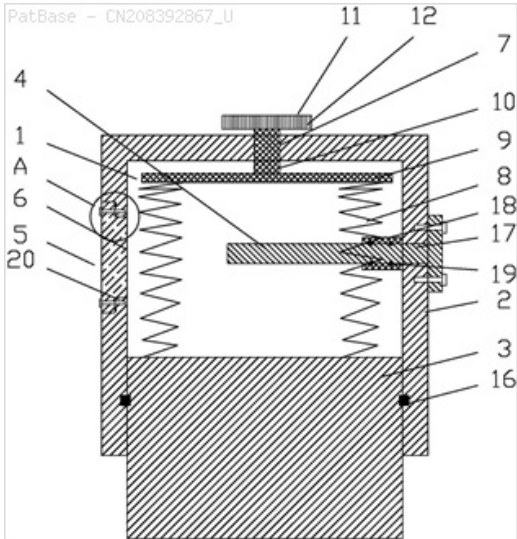
[View legal status timeline](#)

Patent	Date recorded	Event group	Code	Event	Details
EP2132038 A2	20091216	LSPB	+	published / reissued	
EP2132038 A2	20091216	LSSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20090923
EP2132038 A2	20120328	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	EFFECTIVE DATE : 20111001
ITBS20070041 A1	20080928	LSPB	+	published / reissued	
WO08117327 A2	20081002	LSPB	+	published / reissued	
WO08117327 A3	20090923	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2008751517 COUNTRY OF REF DOCUMENT : EP
WO08117327 A3	20090929	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE

Title: A trim function with gold foil stamping machine stamping means (Machine translation)

Abstract: Source: CN208392867U **Machine translation:** The utility model relates to a trimming function with a stamping machine stamping device. Includes a housing having a cavity, setting the cavity and the lower end is exposed outside the cavity, and the bronzing plate laterally fixed in the recess of the flange on the side wall of the electric heating tube, further comprising a pressure adjusting means and the visualization window, visible window on the side wall disposed in the pocket, the visual window is mounted on the transparent glass, the cavity wall is provided with a threaded hole, the pressure regulating means comprises an elastic member, clips, threaded adjustment rod and an adjustment nut threaded adjustment rod threaded connection with the housing, one end of which passes through the threaded hole extends into the recessed cavity is fixedly connected with the platen, the other end is fixedly connected with the adjusting nut. The utility model by setting the pressure regulating device, can be according to the needs of gilt plate pressure fine-tune to accommodate different needs of working conditions, improve the quality of stamping, but also can be provided on the housing visual observation window, casing pressure regulated condition.

Classifications:
International (IPC 8-9): B41F19/06 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN208392867 U	20190118	CN201820750843U	20180518

Priority:
CN201820750843U 20180518

Probable Assignee: ZHEJIANG YALONG INDUSTRIAL CO LTD
Assignee(s): ZHEJIANG YALONG INDUSTRIAL CO LTD

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN208392867 U	20190118	LSGT	+	granted / extensions (spc, cpc, pte)	
CN208392867 U	20190118	LSGT	+GR01	PATENT GRANT	
CN208392867 U	20280518	PEXP		Calculated Patent Term Expiry	

Title: COLD FOIL PRINTING SYSTEM AND METHOD

Abstract: A material deposition technique is disclosed for transferring material to a substrate. The material may be a foil on a carrier and the substrate may be printable paper. A computer-controlled, material application subsystem is provided having a material roller assembly including one or more material pressing rollers. The entire assembly is configured for controlled rotation such that the material pressing rollers alternately engage and disengage an impression cylinder. In a first rotatable position, the material roller assembly is rotated so that one of the material deposition rollers over which the material carrier is fed engages the impression cylinder and deposits the material onto the substrate as it passes beneath the roller. In a second rotatable position, the material roller assembly is rotated so as to disengage the material roller from the impression cylinder thereby precluding deposition of material onto the substrate as it passes beneath the roller.

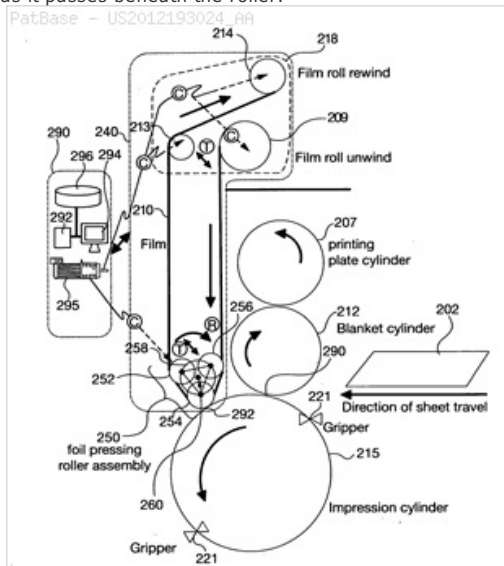
Classifications:

International (IPC 8-9): B32B37/10 B32B37/12 B32B38/18 B32B41/00 B41F19/00 (Advanced/Invention)

CPC: B41F19/001 B32B37/1045 B41F19/005 Y10T156/1741

European: B41F19/00C

US: 156/277 156/350 156/350S 156/361 156/361S 156/555 156/555S



Family:

Publication number	Publication date	Application number	Application date
US2012193024 AA	20120802	US20110374259	20111219
US9694573 BB	20170704	US20110374259	20111219

Priority:

US20100459731P 20101217 US20100459732P 20101217 US20110374259 20111219

Probable Assignee: DIVERSIFIED GRAPHIC MACHINERY

Assignee(s): (std): DEBARD MICHAEL ; DIVERSIFIED GRAPHIC MACHINERY ; HOPKINSON JOHN

Inventor(s): (std): DEBARD MICHAEL ; HOPKINSON JOHN

Agent(s): BRIAN K JOHNSON ESQ LLC

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US2012193024 AA	20120802	LSPB	+	published / reissued	
US2012193024 AA	20170307	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : DIVERSIFIED GRAPHIC MACHINERY, NEW JERSEY OLDPARTY : TECHNOLOGY OWNERSHIP AGREEMENT; ASSIGNORS:DEBARD, MICHAEL, MR; HOPKINSON, JOHN, MR; REEL/FRAME:041905/0903 EFFECTIVE DATE : 20110221
US2012193024 AA	20170515	LSFE	+PPR1	Publications -- Issue Fee Payment Received	
US2012193024 AA	20170608	LSFE	+PPV1	Publications -- Issue Fee Payment Verified	
US9694573 BB	20170704	LSGT	+	granted / extensions (spc, cpc, pte)	
US9694573 BB	20150720	LSSES	NFA1	Non Final Action Mailed	
US9694573 BB	20170614	LSGT	PAT1	Patented Case	

US9694573 BB	20350401	PEXP	Calculated Patent Term Expiry (PTA 1199 days)
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Title: INNER-CIRCULATION HIGH-SPEED HYDRAULIC SYSTEM, HYDRAULIC PLATFORM, AND HYDRAULIC PLATFORM ASSEMBLY

Abstract: An inner-circulating high speed hydraulic system, a hydraulic platform and a hydraulic platform assembly consisting of said systems, wherein the inner-circulating high speed hydraulic system comprises a hydraulic cylinder component and a pressure valve component, the hydraulic cylinder component including a high pressure cylinder, a hydraulic plunger, and a housing, wherein an axial hole and radial holes intersecting with the axial hole are disposed at the top/bottom of the high pressure cylinder and the high pressure cylinder is contained within the housing, wherein the inner-circulating oil chamber may communicate with the axial hole via the radial holes and further communicate with chambers at the top/bottom of the hydraulic plunger, wherein compressed air inlets are disposed on the housing and a lower end of the hydraulic plunger is connected to an actuating element; and a pressure valve component, comprising a pressure servo motor and a pressure plunger driven by the pressure servo motor to move up and down within the axial hole disposed at the top/bottom of the high pressure cylinder. Accurate control on dwell time for pressing at the up and down stop points of the platform, and highly precise adjustment to duration of the dwell time are enabled by the present invention. Thus, a stamping process with high quality is achieved.

Classifications:

International (IPC 8-9): B41F16/00 B41F19/06 B41F33/00 B44B5/00 B44B5/02 F15B11/072 F15B15/18 F15B21/08

F16H25/22 (Advanced/Invention);

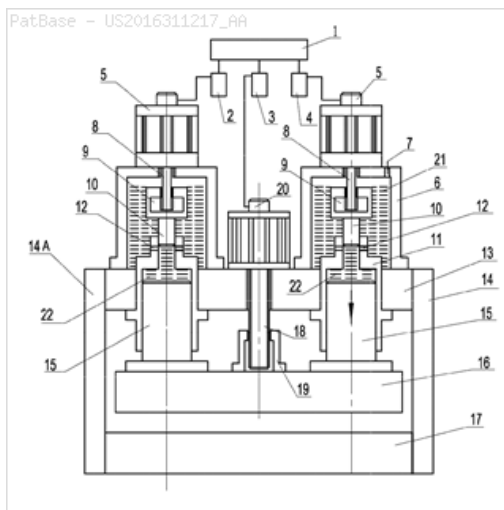
B41F19/06 (Core/Invention)

CPC: B44B5/0019 B41P2219/11 B41F19/068 B44B5/028

B41F16/0046 F16H25/2204 F15B21/08 B41G1/02 F15B3/00

F15B11/0725

US: 100/269.1



Family:

Publication number	Publication date	Application number	Application date
BR112016013575 A2	20180731	BR20161113575	20140721
CA2932028 AA	20160530	CA20142932028	20140721
CN104712616 A	20150617	CN201310682896	20131212
CN104712616 B	20170412	CN201310682896	20131212
CN203784023 U	20140820	CN201320822064U	20131212
EP3081380 A1	20161019	EP20140869932	20140721
EP3081380 A4	20171129	EP20140869932	20140721
ID201706582 A	20170616	ID2016P0003820	20140721
IN201627017341 A	20160819	IN201627017341	20160519
JP2016540178 T2	20161222	JP20160558245T	20140721
JP6246386 B2	20171213	JP20160558245T	20140721
KR20160095134 A	20160810	KR20167018246	20140721
MX2016007478 A1	20170118	MX20160007478	20140721
TH173097 A	20180215	TH20161003397	20140721
US2016311217 AA	20161027	US20140104201	20140721
WO15085648 A1	20150618	WO2014CN000691	20140721

Priority:

CN201310682896 20131212 CN201320822064U 20131212 WO2014CN000691 20140721

Probable Assignee: SHANGHAI ETERNAL MACHINERY CO LTD

Assignee(s): (std): SHANGHAI ETERNAL MACHINERY CO LTD

Assignee(s): SHANGHAI XU HENG PRECISION MACHINERY MFG CO LTD ; TSENG W GARY ; TSENG WHAH ; SHANGHAI ETERNAL MACHINERY CO

Inventor(s): (std): TSENG W GARY ; TSENG WHAH ; W GARY TSENG ; WHAH TSENG ; ZHENG HUA

Inventor(s): W GARY ; TSENG

Agent(s): GOWLING WLG CANADA LLP; DR WEITZEL AND PARTNER; JUANITASARI WINAGA; YAMADA TAKUJI; TANAKA MITSUO; OKABE HIROSHI; WATSON AND BAND LAW OFFICE

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CA2932028 AA	20160530	LSPB	+	published / reissued	
CA2932028 AA	20160611	LSSES	+EEER	EXAMINATION	EFFECTIVE DATE : 20160530

REQUEST					
CN104712616 A	20150617	LSPB	+	published / reissued	
CN104712616 A	20150617	LSPB	+C06	PUBLICATION	
CN104712616 A	20170412	LSGT	+GR01	PATENT GRANT	
CN104712616 B	20170412	LSGT	+	granted / extensions (spc, cpc, pte)	
CN104712616 B	20331212	PEXP		Calculated Patent Term Expiry	
CN203784023 U	20140820	LSGT	+	granted / extensions (spc, cpc, pte)	
CN203784023 U	20140820	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
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EP3081380 A1	20161019	LSPB	+	published / reissued	
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EP3081380 A4	20171129	LSES	+A4	SUPPLEMENTARY SEARCH REPORT DRAWN UP AND DESPATCHED	EFFECTIVE DATE : 20171027
EP3081380 A4	20171129	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : B41F 19/06 20060101AFI20171023BHEP
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ID201706582 A	20170616	LSPB	+	published / reissued	
IN201627017341 A	20160819	LSPB	+	published / reissued	
JP2016540178 T2	20161222	LSPB	+	published / reissued	
JP2016540178 T2	20160927	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20160805
JP2016540178 T2	20170725	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20170725
JP2016540178 T2	20171024	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20171024
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JP2016540178 T2	20171107	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20171107
JP2016540178 T2	20171124	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20171114
JP2016540178 T2	20171124	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	TEXT : JAPANESE INTERMEDIATE CODE: R150 REF DOCUMENT NUMBER : 6246386 COUNTRY OF REF

DOCUMENT : JP					
JP6246386 B2	20171213	LSGT	+	granted / extensions (spc, cpc, pte)	
JP6246386 B2	20340721	PEXP		Calculated Patent Term Expiry	
KR20160095134 A	20160810	LSPB	+	published / reissued	
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TH173097 A	20180215	LSPB	+	published / reissued	
US2016311217 AA	20161027	LSPB	+	published / reissued	
US2016311217 AA	20170322	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SHANGHAI ETERNAL MACHINERY CO., LTD., CHINA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR: TSENG, WHAH; REEL/FRA: 041671/0423 EFFECTIVE DATE : 20170312
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WO15085648 A1	20180116	LSNP	REG	REFERENCE TO NATIONAL CODE	REF COUNTRY CODE : BR REF LEGAL EVENT CODE : B01E REF DOCUMENT NUMBER : 112016013575 COUNTRY OF REF DOCUMENT : BR
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COUNTRY OF REF
DOCUMENT : BR
KIND CODE OF REF
DOCUMENT : A2
DESIGNATED STATE(S) :
EFFECTIVE DATE : 20160613

Title: A HAND TOOL

Abstract: A hand tool (10) to engage a die (14) mounted on a magnetic holding device (11). The tool (10) has a generally circular peripheral surface (18) that engages the die (14), with the surface (18) being moved angularly about an axis (19) by operation of a handle (23).

Classifications:

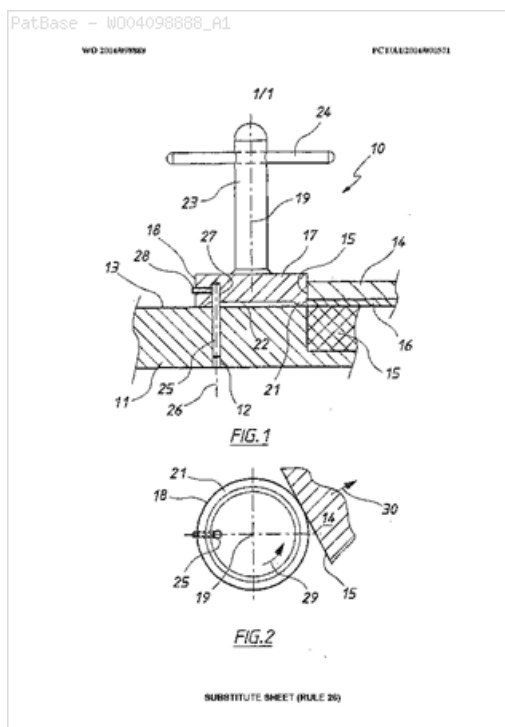
International (IPC 8-9): B41F27/02 (Advanced/Invention);

B41F27/00 (Core/Invention)

International (IPC 1-7): B41F27/00

CPC: B41F27/02

European: B41F27/02



Family:

Publication number	Publication date	Application number	Application date
AU2003902272 A0	20030529	AU2003902272	20030512
WO0409888 A1	20041118	WO2004AU00571	20040504

Priority:

AU2003902272 20030512

Probable Assignee: WRIGHT G

Assignee(s): (std): ALAN JOHN FAWCETT AND GLEN LAW ; FAWCETT A ; WRIGHT G ; WRIGHT GLEN LAWRENCE

Assignee(s): ALAN JOHN FAWCETT AND GLEN LAWRENCE WRIGHT

Inventor(s): (std): WRIGHT GLEN LAWRENCE

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
WO0409888 A1	20041118	LSPB	+	published / reissued	
WO0409888 A1	20060913	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE	REF COUNTRY CODE : WO

Title: A gold or other **foil stamping machine**

Abstract: 225,852. Patented Machinery Development Corporation, and Schwarzmamm, L. Dec. 3, 1924. Index type-wheel machines for embossing bookcovers type-carriages type-wheels.-A machine for embossing book-cover titles in gold or silver foil comprises a type-wheel revolvably mounted on a rocking support which can be depressed to impress the selected character on a book-cover supported on a stationary table, the type-wheel support being provided with letter-spacing and linespacing mechanisms. To soften the foil-adhesive, the type-wheel may be heated, preferably by an electric resistance. A frame 2, Figs. 1 and 2, is provided with a table 5 for the book cover and has guide 6 supporting a slide 7 provided with a transversely movable carriage 22 carrying a rocking member 51 on which is mounted the printing-head P, Fig. 12. The printing-head comprises a plate 100 having a hub 101 supported by screws 57 on the member 51 and adjustably secured by a spring or hinged bar 123. A typecarrying disc 107 is feathered to a sleeve 102 which is revoluble in the hub 101 and is feathered to a rod 112 provided with a knob 111 having a screw 116 engaging a groove in the sleeve. The rod is provided with a bevel-wheel 118 normally engaging a tooth 105 on the hub, engagement being maintained by a spring in the knob. The disc 107 is furnished with a number of typewheels 129, there being one for each character and each having a number of types representing the same character in different styles. The typewheels are mounted in bearings 130 each consisting of a pair of members secured together by screws and pins, and secured to the disc 107 by a plate 128, the disc having a rib 135 entering notches in the members. The type-wheels are inter-connected to rotate in unison by means of loose coupling-piece 141 each consisting of two half-discs arranged at right-angles and engaging recesses in the hubs 139 of the type-wheels or in bushings secured thereto or the type-wheels may be interconnected by means of gears formed on the hubs or bushings. For simultaneously rotating the type-wheels, the disc 107 is provided with a master-wheel 146, Fig. 18, which is arranged in the same manner as the type-wheels and can be rotated by means of a tool inserted in holes 149. The master-wheel and type-wheels are locked in adjusted position by rocking a plate 152 having teeth for entering holes 154. The plate 152 is revoluble on the plate 128 and is rocked by means of a finger-lever 156 having an eccentric 158 engaging a slot in the plate 152. The master-wheel is provided with style-indicating marks 151, preferably the letter H in different styles, which are set with reference to pointers 167 at the sides of a slot 166 in a cover-plate 164, the setting of the master-wheel causing all the type-wheels to present types of the same style. The cover-plate is provided with indexcharacters 168 which pass under a pointer 169 on a hood 172 secured to the plate 100. After rotating the master-wheel to select the style of type, the type-wheel bearing the required type is brought into position by depressing and then turning and releasing the knob 111. The printing-head is then depressed for impression by means of a pedal 63, Figs. 1 and 2, connected to a rock-shaft 59, an arm 53 of the member 51 being connected to a block 70 sliding on a crossrod 68 secured to blocks 69 sliding on links 65 which are depressed by the rock-shaft. The stroke of the pedal is limited by stops co-operating with an arm 88 on the rock-shaft 59. On removing the knob 111, Fig. 12, the disc 107 and parts carried thereby can be replaced by a similar disc equipped with different type-wheels, or by a disc having integral types for printing special characters, or by a disc equipped with clamps adapted to hold loose types which are set up to print words the clamps are preferably operated by right and left handed screws. The type-wheels may be heated by means of an electric resistance consisting of a ribbon 193 wound on a mica ring 193 which is housed in a recess in a plate 190 secured to the plate 100, the ring and ribbon being enclosed in mica sheets 195. Letter-spacing mechanism. - The type-wheel carriage 22, Figs. 1 and 2, is fed step by step by means of ratchet-mechanism in connection with the shaft 59 operated by the pedal 63. A segment 73 on the shaft gears with a pinion 74 secured to a bevel-wheel 75 which gears with a loose bevel-wheel 77 on a shaft 30. A gear 28 feathered on the shaft engages a spiral pinion 27 on a screw 26 which is mounted in the slide 7 and engages a nut 24 on the type-wheel carriage. An arm 82 secured to the bevel-wheel 77 carries a pawl 83 co-operating with a ratchetwheel 79 on the shaft 30. On depressing the pedal, the pawl rides idly over the ratchet-wheel and on release of the pedal, the members are returned by a spring 81 and the ratchet-wheel is turned. The stroke of the rocking member 51 is reduced to permit of spacing being effected without impression by interposing a stop 94 in the path of the arm 88, the stop being secured to a shaft 95 provided with a finger-piece 96 cooperating with locking-notches 98. Letter spacing is regulated by a cam 87 engaging a roller 86 on the heel of the pawl 83, the cam having a hump for holding the pawl out of engagement with the ratchet-wheel during part of the stroke. By adjusting the cam, the feed can be silenced or varied from one to twenty-four teeth. The ratchet-wheel has seventy-two teeth and the maximum traverse of the type-wheel carriage is effected by three revolutions of the ratchet-wheel. When the feed is silenced the type-wheel carriage can be moved in either direction by a handwheel 43. The cam is adjusted by means of a handle 243 riding on a bar 241 and connected by a chain 240 to a worm engaging a worm-wheel 233 on the cam. A pointer 244 on the handle 243 is arranged over a scale 230 having graduations 0 - - 24 indicating the feed determined by the setting of the pointer. Some of the graduations are associated with marks, preferably the letter H in different styles, corresponding to the style-indicating marks 151 of the type-wheels. Each style-indicating mark on the scale is placed above that one of the graduations that indicates the minimum feed required for the types corresponding to the style-indicating marks. Line-spacing mechanism. - Line-spacing is effected by a hand-wheel 20, Figs. 1 and 2, geared to a screw 14 engaging a nut 15 on the slide 7 that supports the type-wheel carriage 22. Matrix-supports matrix clamping and guiding arrangements carriage scales. - The table 5, Fig. 1, is provided with book-cover clamping- plates 208 pivoted on a rod 203 and depressed by springs 210, the rod being mounted on levers 204 so that the clamping-plates can accommodate book-covers of different thickness. The clamping- plates are connected by a handle 209. Scales 214 on the clamping-plates co-operate with a pointer 214<1> on the slide 7 to indicate the linespace position of the printing-head P. The bookcover is squared by pins 202. For centring the book-cover, the table is provided, in a recess between the clamping-plates, with a scale plate having a number of transverse scales which have the zero mark at the middle and are graduated upwards at each side. The back bone of the book-cover lies on the scale plate and the bookcover is adjusted to bring the sides of the back bone into register with identical graduations on the scales. A strip of cardboard is inserted between the back bone and scale plate. To aid the operator, the title may be written on successive lines of a slip of squared paper. The top line of squares is numbered so as to show by inspection the number of characters in each line of the title, and words such as "Author," " Title," and c. are printed in the margin on successive lines. Spaces are provided also for other data. The slip may be secured to the table by a clip 245. Tubular and like printing-arrangements. -To aid in centring the lines embossed on the bookcover, there is provided a rotary scale-drum 223, Figs. 1 and 2, driven from the shaft 30 by gearing 215 - - 218 and arranged to make two revolutions during the maximum letter-spacing traverse of the type-wheel carriage 22. The scale-drum is divided into circumferential columns in register with the graduations 2 - - 24 on the letter-spacing scale 230. The number of graduations in each circumferential column is equal to the maximum number of characters and word-spaces that can be accommodated in a line when the pointer 244 is set opposite the associated graduation on the scale 230. The scale-drum is arranged in a stationary transparent tube 224 having zero marks 226 which register with the zero marks of the circumferential columns when the type-wheel carriage is in mid-position. The scales are employed as follows: The type-wheel carriage is traversed by the hand-wheel 43 to the desired line-commencing position and the spacing is determined by moving the pointer into register with the circumferential column that indicates the number of characters and word-spaces in the line. The style of type indicated by the pointer, or a smaller style, is then selected and the line is printed character by character, the preliminary setting causing the line to be printed centrally. If it is desired to use a certain style of types, line-commencing position for minimum spacing is determined by traversing the carriage until the circumferential column opposite the selected style-indicating mark indicates the number of characters and word-spaces in the line, and the pointer 244. is then moved into register with the style-indicating mark or if wider spacing is desired, the number is observed in another circumferential column and the pointer is moved into register therewith. If the length of the line is known, line-commencing position is determined by traversing the type-wheel carriage until the

Classifications:

International (IPC 8-9): B41F19/06 (Advanced/Invention); B41F19/00 (Core/Invention)

International (IPC 1-7): B44B5/00

CPC: B41F19/064 B41P2219/30 B41P2219/434

European: B41F19/06C

Publication number	Publication date	Application number	Application date
GB225852 A	19260303	GB19240028984	19241203

GB19240028984 19241203

Assignee(s): (std): LEON SCHWARZMANN ; PATENTED MACHINERY DEV CORP

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
GB225852 A	19260303	LSGT	+	granted / extensions (spc, cpc, pte)	
GB225852 A	19441203	PEXP		Calculated Patent Term Expiry	

Title: A DIE FOR A **FOIL STAMPING MACHINE**

Abstract: A polymer die (10) for a **foil stamping machine**. The die (10) includes a steel backing plate (11) having a thickness (12) separating a first major surface (13) and a second major surface (14). The plate (11) is formed with a plurality of passages (15) that extend through the die plate (11) between the surfaces (13 and 14) via the passages (15).

Classifications:

International (IPC 8-9): B41F19/06 B41F27/00

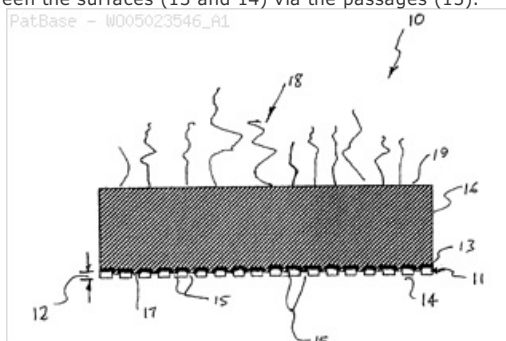
B44C1/14 (Advanced/Invention);

B41F19/00 B41F27/00 B44C1/00 (Core/Invention)

International (IPC 1-7): B41F27/00 B44C1/14

CPC: B41F19/06 B41P2219/30

European: B41F19/06 L41P219/300



Family:

Publication number	Publication date	Application number	Application date
AU2004270287 AA	20050317	AU20040270287	20040903
EP1663649 A1	20060607	EP20040761222	20040903
WO05023546 A1	20050317	WO2004AU01185	20040903

Priority:

AU20030904930 20030909 AU20040270287 20040903 WO2004AU01185 20040903

Probable Assignee: TMS TECHNOLOGIES INC

Assignee(s): (std): FAWCETT ALAN JOHN ; TMS TECHNOLOGIES INC ; WRIGHT GLEN LAWRENCE

Inventor(s): (std): ALAN JOHN FAWCETT ; FAWCETT ALAN JOHN ; GLEN LAWRENCE WRIGHT ; WRIGHT GLEN LAWRENCE

Agent(s): SPRUSON AND FERGUSON

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

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Patent	Date recorded	Event group	Code	Event	Details
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EP1663649 A1	20060607	LSSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20060313
EP1663649 A1	20070912	LSWD	-18W	APPLICATION WITHDRAWN	EFFECTIVE DATE : 20070806
WO05023546 A1	20050317	LSPB	+	published / reissued	
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Title: FOIL STAMPING MACHINE

Abstract: Disclosed is a **foil stamping machine** in which a reverse shaft or a conveyor for providing a pulling force in a direction opposite to a motion direction of a foil is provided to correct motion of the foil due to rotation inertia of a cylinder, thereby remarkably saving use of the foil. The **foil stamping machine** includes a storage reel wound by a foil, unwinding the foil whenever a printing is performed, a sensor sensing a height of the foil hung down by load, a forward conveyor guiding the foil unwound from the storage reel, a reverse conveyor providing a pulling force for pulling the foil in an opposite direction while rotating in a direction opposite to the forward conveyor, a foil cylinder provided with a foil die to perform printing of the foil which has passed through the reverse conveyor, and an impression cylinder rotating to perform foil printing while being engaged with the foil die of the foil cylinder.

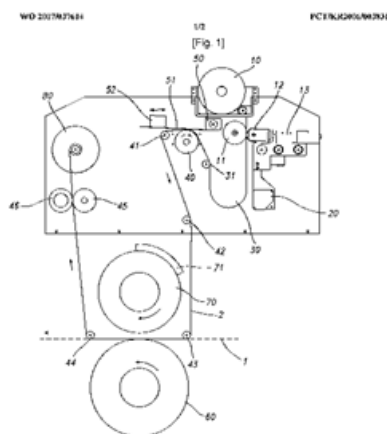
Classifications:

International (IPC 8-9): B41F17/00 B41F17/06 B41F17/13 B41G1/00 B41G1/04 (Advanced/Invention); B41F17/00 B41F17/13 B41G1/00 B41G1/04 (Advanced/Non-invention); B41F17/00 B41F17/08 B41G1/00 (Core/Invention)

CPC: B41F19/062 B41G1/04 B41F13/16 B41F17/08 B41N1/04

European: B41F19/06B

PatBase - WO07037614_A1

**Family:**

Publication number	Publication date	Application number	Application date
KR100677968 B1	20070202	KR20050091797	20050930
KR100713657 B1	20070502	KR20060059109	20060629
WO07037614 A1	20070405	WO2006KR03831	20060927

Priority:

KR20050091797 20050930 KR20060059109 20060629

Probable Assignee: SONG BYUNG JUN

Assignee(s): (std): SONG BYUNG JUN

Inventor(s): (std): SONG BYUNG JUN

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KZ LA LC LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
KR100677968 B1	20070202	LSGT	+	granted / extensions (spc, cpc, pte)	
KR100677968 B1	20051108	LSSES	A201	REQUEST FOR EXAMINATION	
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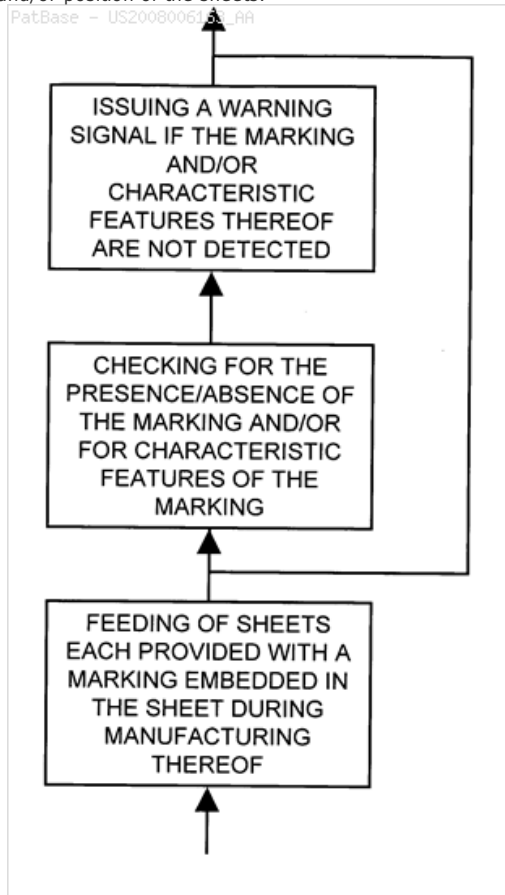
KR100713657 B1	20070502	LSGT	+	granted / extensions (spc, cpc, pte)	
KR100713657 B1	20060629	LSSES	A201	REQUEST FOR EXAMINATION	
KR100713657 B1	20070126	LSGT	+E701	DECISION TO GRANT OR REGISTRATION OF PATENT RIGHT	
KR100713657 B1	20070425	LSGT	+GRNT	WRITTEN DECISION TO GRANT	
KR100713657 B1	20100423	LSFE	FPAY	ANNUAL FEE PAYMENT	PAYMENT DATE : 20100423 YEAR OF FEE PAYMENT : 4
KR100713657 B1	20110426	LSLE	-LAPS	LAPSE DUE TO UNPAID ANNUAL FEE	
KR100713657 B1	20260629	PEXP		Calculated Patent Term Expiry	
WO07037614 A1	20070405	LSPB	+	published / reissued	
WO07037614 A1	20080401	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO07037614 A1	20081022	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE	REF DOCUMENT NUMBER : 06798914 COUNTRY OF REF DOCUMENT : EP KIND CODE OF REF DOCUMENT : A1 DESIGNATED STATE(S) :

Title: METHOD FOR CONTROLLING THE ORIENTATION AND/OR POSITION OF SHEETS PROCESSED ON A PRINTING MACHINE

Abstract: There is described a method for controlling the orientation and/or position of sheets (1) processed on a printing machine, each sheet being provided with at least one marking (12; 15) embedded in the sheet, which marking is embedded in the sheet during manufacturing thereof, prior to processing of the sheet on a printing machine. The marking (12; 15) is disposed in a selected location of the sheet and defines a unique orientation and/or position of the sheet. The method comprises the steps of: -checking for the presence or absence of the marking at the selected location on the sheet and/or of characteristic features of the said marking; and-issuing a warning signal if the marking is not detected at the selected location or if the characteristic features of the marking are not detected at the said selected location. The invention advantageously makes use of features already embedded in the sheets (such as metallic and/or magnetic strips or threads, watermarks, etc.) as control markings for controlling the orientation and/or position of the sheets.

Classifications:

International (IPC 8-9): B41F1/34 B41F33/00 B41F5/16 B65H7/02 B65H9/00 D21H21/40 D21H21/42 (Advanced/Invention); B41F33/00 B41F5/00 B65H7/02 B65H9/00 (Core/Invention)
CPC: B65H2220/01 B65H2220/03 B65H9/00 B65H2301/5111 B65H2511/20 B65H2511/216 B65H2511/242 B65H2511/512 B65H2511/5125 B65H2511/516 B65H2511/52 D21H21/40 B41J11/46 B65H2701/1912
European: B65H9/00 D21H21/40 L65H301/5111 L65H351/110 L65H511/200 L65H511/216 L65H511/242 L65H511/512 L65H511/512A L65H511/516 L65H511/520
US: 101/177 101/485 101/487 101/488



Family:

Publication number	Publication date	Application number	Application date
DE602005037229 D1	20130124	DE200560037229T	20051124
EP1661834 A1	20060531	EP200440028064	20041125
EP1843959 A2	20071017	EP20050850671	20051124
EP1843959 B1	20121128	EP20050850671	20051124
JP2008521725 T2	20080626	JP20070542165T	20051124
US2008006163 AA	20080110	US20050720148	20051124
US8863663 BB	20141021	US20050720148	20051124
WO06056865 A2	20060601	WO20051B03532	20051124
WO06056865 A3	20060727	WO20051B03532	20051124

Priority:

EP20040028064 20041125 EP20050850671 20051124 WO20051B03532 20051124

Probable Assignee: KBA NOTASYS SA

Assignee(s): (std): KBA GIORI SA ; KBA NOTASYS SA ; SCHWITZKY VOLKMAR ROLF

Assignee(s): KBA GIORI S A

Inventor(s): (std): SCHWITZKY VOLKMAR ROLF ; SCHWITZKY VOLKMAR R

Inventor(s): SCHWITZKY VOLKMAR

Agent(s): NOLL RONALD; CROMPTON SEAGER AND TUFTE LLC; SEAGER TUFTE AND WICKHEM LLC

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LC LI LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Legal status (INPADOC)

[View legal status timeline](#)

Patent	Date recorded	Event group	Code	Event	Details
EP1661834 A1	20060531	LSPB	+	published / reissued	
EP1661834 A1	20070207	LSFE	+AKX	DESIGNATION FEES PAID	
EP1661834 A1	20070815	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	EFFECTIVE DATE : 20061201
EP1843959 A2	20071017	LSPB	+	published / reissued	
EP1843959 A2	20071017	LSSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20070604
EP1843959 A2	20091230	LSAS	RAP1	RIGHTS OF AN APPLICATION TRANSFERRED	PARTYTYPE : OWNER OWNER : KBA-GIORI S.A.
EP1843959 A2	20100825	LSSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20100722
EP1843959 A2	20110223	LSAS	RAP1	RIGHTS OF AN APPLICATION TRANSFERRED	PARTYTYPE : OWNER OWNER : KBA-NOTASYS SA
EP1843959 A2	20120502	LSRE	RIC1	INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : B65H 9/00 20060101ALI20120326BHEP
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EP1843959 A2	20130628	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : PT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130328
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EP1843959 B1	20121128	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D
EP1843959 B1	20121130	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
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EP1843959 B1	20130102	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D
EP1843959 B1	20130124	LSPB	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R096 REF DOCUMENT NUMBER : 602005037229 COUNTRY OF REF DOCUMENT : DE EFFECTIVE DATE : 20130124
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EP1843959 B1	20130830	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL NOTIFICATIONOF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20121128
EP1843959 B1	20131106	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20130829
EP1843959 B1	20131224	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R097 REF DOCUMENT NUMBER : 602005037229 COUNTRY OF REF DOCUMENT : DE EFFECTIVE DATE : 20130829
EP1843959 B1	20140731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : MC NOTIFICATIONOF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20121128
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EP1843959 B1	20141031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED	COUNTRY OF REF DOCUMENT : IE NOTIFICATIONOF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

EP1843959 B1	20150630	LSLE	-PG25	FROM NATIONAL OFFICE TO EPO] LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	LAPSED DATE : 20131124 COUNTRY OF REF DOCUMENT : TR NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20121128
EP1843959 B1	20150731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LU NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20131124
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EP1843959 B1	20160630	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IS NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20121128
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EP1843959 B1	20170726	LSLE	-GBPC	GB: EUROPEAN PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE	REF COUNTRY CODE : EP EFFECTIVE DATE : 20161124
EP1843959 B1	20170825	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : ST EFFECTIVE DATE : 20170731
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EP1843959 B1	20180731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20171130
EP1843959 B1	20180731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LI NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20171130
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EP1843959 B1	20251124	PEXP		Calculated Patent Term Expiry	
JP2008521725 T2	20080626	LSPB	+	published / reissued	
JP2008521725 T2	20081107	LSSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20081106
JP2008521725 T2	20110518	LSSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20110517
JP2008521725 T2	20110817	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20110816
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JP2008521725 T2	20130410	LSRV	-A02	DECISION OF REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A02 EFFECTIVE DATE : 20130409
US2008006163 AA	20080110	LSPB	+	published / reissued	
US2008006163 AA	20110822	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : KBA-NOTASYS SA, SWITZERLAND OLDPARTY : CHANGE OF NAME; ASSIGNOR:KBA-GIORI S.A.; REEL/FREE:026787/0038 EFFECTIVE DATE : 20101217
US8863663 BB	20141021	LSGT	+	granted / extensions (spc, cpc, pte)	
US8863663 BB	20070524	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : KBA-GIORI S.A., SWITZERLAND OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR: SCHWITZKY, VOLKMAR ROLF; REEL/FREE:019339/0903 EFFECTIVE DATE : 20070426

US8863663 BB	20141001	LSGT	PAT1	Patented Case	
US8863663 BB	20180330	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US8863663 BB	20310311	PEXP		Calculated Patent Term Expiry (PTA 1933 days)	
WO06056865 A2	20060601	LSPB	+	published / reissued	
WO06056865 A3	20070524	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 11720148 COUNTRY OF REF DOCUMENT : US
WO06056865 A3	20070525	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2007542165 COUNTRY OF REF DOCUMENT : JP
WO06056865 A3	20070526	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO06056865 A3	20070604	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2005850671 COUNTRY OF REF DOCUMENT : EP
WO06056865 A3	20071017	LSPB	+WWP	WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 2005850671 COUNTRY OF REF DOCUMENT : EP
WO06056865 A3	20080110	LSPB	+WWP	WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 11720148 COUNTRY OF REF DOCUMENT : US