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Please record the attached document.								
Total number of pages including cover sheet, attachments, and document:								
1.	Α.	Name of conveying parties: (1) James H. HALPIN (2) Keith MACBEATH	2. A. Name and address of receiving party: DE LA RUE INTERNATIONAL, LIMITED DE LA RUE HOUSE, JAYS CLOSE, VIABLES, BASINGSTOKE, HAMPSHIRE, UNITED KINGDOM P09 6HE					
	В.	Additional name(s) of conveying party(ies) attached?						
3.	A.	Nature of conveyance:	B. Additional name(s) & address(es) attached"  ☐ Yes ☒ No					
	$\boxtimes$	Assignment						
		Security Agreement						
		Other	·					
	В.	Execution Date: (1) January 17, 2005; (2) January 16, 2005						
4.	A.	Patent Application No.(s) 10/969,991	B. Patent No.(s)					
		Additional numbers a	attached?					
	C,	Title of Application: METHOD AND APPARATU	US FOR PROCESSING CHECKS					
5.		te and address of party to whom correspondence terning document should be mailed:	6. Total number of applications and patents involved: 1					
	Name: James A. Oliff		7. Please charge Deposit Account No. 15-0461 the total fee (37 CFR 3.41) in the amount of \$40.00.					
	Address: OLIFF & BERRIDGE, PLC P.O. Box 19928 Alexandria, VA 22320 Phone Number: 703-836-6400 Fax Number: 703-836-2787		Credit any overpayment or charge any underpayment to deposit account number 15-0461.					
9.	To the original origi	ement and signature.  the best of my knowledge and belief, the foregoing information document  es A. Oliff Registration No. 27,075  to A. Costantino Registration No. 33,565	Date: January 26, 2005					

PATENT REEL: 015623 FRAME: 0444

Date

Date

Date

## WORLDWIDE ASSIGNMENT

		(1) James H. HALPIN	(3)		
(1-8)	Insert Name(s)	(2) Keith MACBEATH	(6)		
	of Inventor(s)				
		(4)			
		In consideration of the s	sum of one dollar (\$1.00) and sceipt and sufficiency of which	l other good and valuable consideration paid to th are hereby acknowledged, each undersigned	
(9)	Insert Name of				
(10)	Assignee Insert Address of	(9) DE LA RUE INTERNATIONAL, LIMITED			
(,,,	Assignee		DE LA RUE HOUSE, JAYS CLOSE, VIABLES, BASINGSTOKE, HAMPSHIRE, UNITED KINGDOM P09 6HE		
		entire right, title and interest for countries: in the invention; in including any and all provision substitute and reissue applicati including the right to file foreigrants, such as Letters Patent,	or the United States of Ameriall applications for patent or hal, non-provisional, division on(s), including any application applications under the procertificates, utility models, co	is, successors, assigns and legal representatives, the call as defined in 35 U.S.C. §100 and for all other similar rights on the invention, said applications al, continuation, international, continuation, international, continuation, international, continuation, internations of any country based thereon, and evisions of any treaty or convention; and in all infirmations, extensions, reissues and and in all other countries on the invention, known as	
(11)	Insert		RATUS FOR PROCESSING CH		
	Identification, such as Title, Case Number or Foreign				
	Application Number	(Attorney Docket No.	116601	).	
		for which the undersigned has		on for patent in the United States of America on	
2 m 2 m s	T There is	even date herewith or	1		
(12)	Insert Date of Signing of Application	(12) on		<del></del>	
(13)	Alternative Identification	(13) U.S. Application Serial	Number 10/969,991		
	for filed applications	filed October 22, 2004	i		
application applic	te separate assignments in a  2) Each undersigned agation or grant for the inventence.  3) Each undersigned agaisions of the International  4) Each undersigned againee in the United States and  5) Each undersigned auany and all grants resulting	connection with such applications a rees to execute all papers necessary tion and to cooperate with the Assirees to execute all papers and docured to convention for Protection of Indurees to perform all affirmative acts any other country in which the Asthorizes and requests the Commissifrom said application(s) to the said	and grants as the Assignee may in connection with any intergree in every way possible in ments and perform any act wastrial Property or similar agreewhich may be necessary to ossignee may file a patent appioner of the U.S. Patent and Assignee, as Assignee of the	Ference which may be declared concerning any nobtaining evidence and going forward with such thich may be necessary in connection with claims elements.  btain, maintain or confirm a valid grant to the	
		n assigned, and that he has not exe i him and his heirs, successors, assi			
	<ul><li>6) Each undersigned he</li></ul>	reby grants the firm of Oliff & Br	ERRIDGE, PLC the power to in	sert on this assignment any further identification	
	ay be necessary or desirable, for recordation of this do		of any issuing authority, inc	uding the United States Patent and Trademark	
	In witness whereof, exec	cuted by the undersigned on the dat	e(s) opposite the undersigne	nante(s).	
Date	J54 17, 2005	Inventor Sign	ature A	(SEAL)	

Inventor Signature

Inventor Signature

Inventor Signature

Inventor Signature

PATENT REEL: 015623 FRAME: 0445

\_\_\_\_\_ (SEA).)

(SEA)\_\_\_\_\_

\_\_\_\_\_ (SEA)\_)

\_\_\_\_\_ (SEAL)

		WORLD	WIDE ASSIGNMENT			
		(1) James H. HALPIN	(5)			
(1-8)	Insert Name(s) of Inventor(s)	(2) Keith MACBEATH	(6)			
		(3)	(7)			
		(4)	(8)			
		In consideration of the each of the undersigned, the	$e$ sum of one dollar (\$1.00) and $\sigma$	ther good and valuable consideration paid to are hereby acknowledged, each undersigned		
(9)	Insert Name of Assignee	(9) DE LA RUE INTERNATIONAL, LIMITED				
(10)	Insert Address of Assignee	KINGDOM P09 6H	3B	ASINGSTOKE, HAMPSHIRE, UNITED		
(11)	Insert Identification, such as Title, Case	(hereinafter designated as the Assignee) and Assignce's heirs, successors, assigns and legal representatives, the entire right, title and interest for the United States of America as defined in 35 U.S.C. §100 and for all other countries: in the invention; in all applications for patent or similar rights on the invention, said applications including any and all provisional, non-provisional, divisional, continuation, international, confirmation, substitute and reissue application(s), including any application(s) filed in any country based thereon, and including the right to file foreign applications under the provisions of any treaty or convention; and in all grants, such as Letters Patent, certificates, utility models, confirmations, extensions, reissues and reexamination certificates that may be granted in the U.S. and in all other countries on the invention, known as [11] METHOD AND APPARATUS FOR PROCESSING CHECKS				
	Number or Foreign Application Number	(Attorney Docket No.	116601	).		
		for which the undersigned h	as (have) executed an application	for patent in the United States of America on		
(12)	Insert Date of Signing of Application	even date herewith or (12) on				
(13)	Alternative Identification for filed applications	(13) U.S. Application Seri	al Number			
		October 22, 200 filed	)4			
applicinterforms application or produced Assignment is the contract of the con	te separate assignments in c  2) Each undersigned agration or grant for the inventerence.  3) Each undersigned agrations of the International  4) Each undersigned agrate in the United States and  5) Each undersigned autany and all grants resulting ney the entire interest hereins assignment is binding or  6) Each undersigned he	connection with such application rees to execute all papers necess tion and to cooperate with the A rees to execute all papers and do Convention for Protection of In rees to perform all affirmative as any other country in which the thorizes and requests the Comm from said application(s) to the sain assigned, and that he has not eat him and his heirs, successors, a reby grants the firm of OLIFF & e in order to comply with the rule.	as and grants as the Assignee may ary in connection with any interfessignee in every way possible in a cuments and perform any act which dustrial Property or similar agreems which may be necessary to obte Assignee may file a patent application of the U.S. Patent and Traid Assignee, as Assignee of the executed, and will not execute, an assigns and legal representatives.  BERRIDGE, PLC the power to institute of the power to institute of the power to institute and the power to institute of the power of the power to institute of the power of the pow	wence which may be declared concerning any obtaining evidence and going forward with such ch may be necessary in connection with claims ments.  ain, maintain or confirm a valid grant to the		
	In witness whereof exce	cuted by the undersigned on the	date(s) opposite the undersigned i	name(s).		
Date	1/16(200			acbeat (SEAL)		
Date		Inventor Si	i i	(SEAL)		
Date	<u> </u>	Inventor Si	gnature	(SEAL)		

Inventor Signature
Inventor Signature

PATENT REEL: 015623 FRAME: 0446

Date