12-16-2005 Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450 103138206

U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

.ttorney Docket No.

119630

	Please record the attached original document or copy thereof.											
1.	A.	Name of conveying parties: (1) Harlan A. HURWITZ (2) James H. HALPIN (3) Robert M. PICKLES, JR. (4) Daniel WOBSER (5) Corneliu C. CHIRNOAGA (6) Steven ANTONELLI (7) Darren TAYLOR	2.	Α.	Name and address of receiving party: DE LA RUE INTERNATIONAL, LIMITED DE LA RUE HOUSE, JAYS CLOSE VIABLES, BASINGSTOKE HAMPSHIRE, RG22 4BS UNITED KINGDOM							
	В.	Additional name(s) of conveying party(ies) attached?										
3.	A.	Nature of conveyance: Assignment		B.	Additional name(s) & address(es) attached? ☐ Yes ☑ No							
	(5) 200	July 23, 2005; (6) August 21, 2005 and (7) June 7,										
4.	A.	Patent Application No.(s) 11/117,563		B.	Patent No.(s)							
		Additional numbers attach	ied?	□ `	Yes 🛭 No							
	C.	Title of Application: METHOD AND COMPUTER MANAGING PAYMENT ME		<u>)GR</u>	AM PRODUCT FOR ELECTRONICALLY							
5.	Nar con	me and address of party to whom correspondence accerning document should be mailed:	6.	Tot	al number of applications and patents involved: $\underline{1}$							
	Na	ame: James A. Oliff	7.	Α.	Total fee (37 CFR 3.41)\$ 40.00							
				В.	Enclosed (Check No. <u>173989</u>)							
	A	ddress: OLIFF & BERRIDGE, PLC P.O. Box 19928 Alexandria, VA 22320 Phone Number: 703-836-6400 Fax Number: 703-836-2787	8.	Cre der	edit any overpayment or charge any underpayment to posit account number 15-0461.							
9.	St:	atement and signature. the best of my knowledge and belief, the foregoing information in the property of the state of the	on is	true d	and correct and any attached copy is a true copy of the							
	_ Ja	mes A. Oliff Registration No. 27,075	_		Date: December 12, 2005							
	М	ario A. Costantino Registration No. 33,365 Total number of p	Mario A. Costantino Registration No. 33,565 Total number of pages including cover sheet, attachments, and document: 8									

12/15/2005 ECOOPER 00000029 11117563

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Assignments Recordation Services

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PATENT

WORLDWIDE ASSIGNMENT

		(1)	Harlan A. HURWITZ	(5) _	Corneliu C. CHIRNOAGA					
(1-8)	Insert Name(s)	(2)	James H. HALPIN	(6)	Mark LADWIG					
	of Inventor(s)	(3)	Robert M. PICKLES, Jr.	(7)	Steven ANTONELLI					
		(4)	Daniel WOBSER	(8)	Darren TAYLOR					
	In consideration of the sum of one dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, the receipt and sufficiency of which are hereby acknowledged, each undersigned agrees to assign, and hereby does assign, transfer and set over to									
(9)	Insert Name of Assignee	(9)	DE LA RUE INTERNATION	AL, LIMITED						
(10) Insert Address of Assignee (10) DE LA RUE HOUSE, JAYS CLOSE VIABLES, BASINGSTOKE HAMPSHIRE, RG22 4BS UNITED KINGDOM										
		entire coun inclu subst inclu grant reexa	e right, title and interest for the Unit tries: in the invention; in all applica- ding any and all provisional, non-p- itute and reissue application(s), inci- ding the right to file foreign applica- s, such as Letters Patent, certificate unination certificates that may be gro	ted States of Al ations for pater rovisional, diviluding any app ations under the s, utility model ranted in the U	s heirs, successors, assigns and legal representatives, the merica as defined in 35 U.S.C. §100 and for all other not or similar rights on the invention, said applications isional, continuation, international, confirmation, olication(s) filed in any country based thereon, and e provisions of any treaty or convention; and in all als, confirmations, extensions, reissues and als. and in all other countries on the invention, known as PRODUCT FOR ELECTRONICALLY					
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	such as Title, Case Number or Foreign		MANAGING PAYMENT ME							
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			hich the undersigned has (have) ex date herewith or	ecuted an appl	lication for patent in the United States of America on					
(12)	Insert Date of Signing of Application	(12)	on		•					
(13)	Alternative Identification for filed	(13)	U.S. Application Serial Number	11/11	7,563					
	applications	filed	April 29, 2005							
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	In witness where ff, exec	uted by	the undersigned on the date(s) opp	odte the ander	rsigned name(4)					
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Date			Inventor Signature		(SEAL)					
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neitl	This assignment should her, then it should be signed	prefera before	bly be signed before: (a) a Notary P at least two witnesses who also sign Witness	Public if within here:	the U.S.A. (b) a U.S. Consul if outside the U.S.A. If					
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WURLDWIDE ASSIGNMENT

		(1)	Harlan A. HURWITZ	(5)	Comeliu C. CHIRNOAGA					
(1-8)	Insert Name(s)	(2)	James H. HALPIN	(6)	Mark LADWIG					
	of Inventor(s)	(3)	Robert M. PICKLES, Jr.	(7)	Steven ANTONELLI					
		. ,	Daniel WOBSER	(8)	Darren TAYLOR					
		each agree	In consideration of the sum of confidence of the undersigned, the receipt and the stop assign, and hereby does assign.	d sufficiency of	which are hereby acknowled;	e consideration paid to ged, each undersigned				
(9)	Insert Name of Assignee	(9)								
(10) Insert Address of Assignee (10) DE LA RUE HOUSE, JAYS CLOSE VIABLES, BASINGSTOKE HAMPSHIRE, RG22 4BS UNITED KINGDOM										
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	such as Title, Case Number or Foreign		MANAGING PAYMENT M	IEDIA						
	Application Number	`	orney Docket No. 119630							
			which the undersigned has (have) a date herewith or	executed an app	olication for patent in the Unit	ed States of America on				
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	applications	filed	April 29, 2005			***				
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	In witness whereof, exe	cuted by	the undersigned on the date(s) of	pposite the unde	ersigned name(s).					
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neith	This assignment should ner, then it should be signed	before	at least two witnesses who also si	gn/herr:	Dell Ase	tts _				

WORLDWIDE ASSI	GNMEN	Т
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	•	(1)	Harlar	A. HURWITZ	(5)	Con	neliu C. CHIRNOAGA	
(1-8)	Insert Name(s)	(2)	James	H. HALPIN	(6)	Mar	k LADWIG_	
	of Inventor(s)	(3)	Rober	t M. PICKLES, Jr.	(7)	Stev	en ANTONELLI	
		(4)	Danie	I WOBSER	(8)	_Dan	ren TAYLOR	
			of the u	sideration of the sum of or ndersigned, the receipt and gn, and hereby does assign	l sufficiency o	f which	h are hereby acknowledge	
(9)	Insert Name of Assignee	(9)	DE	LA RUE INTERNATION	NAL, LIMITE	D		
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(12)	Insert Date of	even	date her	rewith or				
(12)	Signing of Application	(12)	on					
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				rsigned on the date(s) opp	osite the under	rsigned	l name(s).	(CPAT)
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PATENT REEL: 017348 FRAME: 0078

		(1) Harlan A. BURWITZ (3) Cornellis C. CHIRCHOAGA
(1-4)	Inert Names	(2) Jennes H. HALPIN (6) Mark LADWIG
	of inventor(s)	(3) Robert M. PECKLES, Jr. (7) Steam ANTONELLI
		(4) Deniel WORSER (8) Derron TAYLOR
		In consideration of the sure of one delite (\$1.00) and other good and valuable consideration paid to each of the undersigned, the receipt and sufficiency of which are hereby advanced agrees to assign, and hareby does assign, transfer and set over to
.(7)	Insert Mame of Anderse	(9) DE LA RUE INTERNATIONAL, LIMITED
(16)	Insurt Address of Assignee	(10) DE LA RUE HOUSE, JAYS CLOSE VIABLES, BASINGSTOKE HAMPSHER, RG22 4BS UNITED KINGDOM
		(hereinether designated as the Assignee) and Assignee's heirs, successors, surjust and legal representatives, the entire right, title and interest for the United States of America as defined in 35 U.S.C. § 100 and the all other countries: In the invention; in all applications for patent or similar rights on the inventions, said applications including any and all provisional, non-provisional, divisional, confirmation, interestional, confirmation, substitute and reinance applications(s), including any application(s) filed in any country bused thereon, and including the right to file faction applications under the provisions of any treaty or convention; and in all grants, such as Letters Patent, certificates, utility models, confirmations, extensions, missace and restruction certificates that may be granted in the U.S. and in all other countries on the invention, known as
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	In witness whereof co	and by the undersigned on the class(0) copposite the undersigned farm(c).
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PATENT

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		(1)	Harlan A. HURWITZ	(5)	Corneliu C. CHIRNOAGA				
(1-8)	Insert Name(s)	(2)	James H. HALPIN	(6)	Mark LADWIG				
	of Inventor(s)	(3)	Robert M. PICKLES, Jr.	(7)	Steven ANTONELLI				
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	In consideration of the sum of one dollar (\$1.00) and other good and valuable consideration pai each of the undersigned, the receipt and sufficiency of which are hereby acknowledged, each undersig agrees to assign, and hereby does assign, transfer and set over to								
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(11)	Insert	(hereinafter designated as the Assignee) and Assignee's heirs, successors, assigns and legal representatives entire right, title and interest for the United States of America as defined in 35 U.S.C. §100 and for all othe countries: in the invention; in all applications for patent or similar rights on the invention, said application 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, know							
(11)	Identification,	(11)	MANAGING PAYMENT I		PRODUCT FOR ELECTRON				
	such as Title, Case Number or Foreign								
	Application Number	•	orney Docket No. 11963 hich the undersigned has (have		olication for patent in the Unite	ed States of America on			
			date herewith or	, 					
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1) Each undersigned agrees to execute all papers necessary in connection with any application and/or grant for the invention and also to execute separate assignments in connection with such applications and grants as the Assignee may deem necessary. 2) Each undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning any application or grant for the invention and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference. 3) Each undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements. 4) Each undersigned agrees to perform all affirmative acts which may be necessary to obtain, maintain or confirm a valid grant to the Assignee in the United States and any other country in which the Assignee may file a patent application(s). 5) Each undersigned authorizes and requests the Commissioner of the U.S. Patent and Trademark Office and other issuing authorities to issue any and all grants resulting from said application(s) to the said Assignee, as Assignee of the entire interest, and covenants that he has full right to convey the entire interest herein assigned, and that he has not executed, and will not execute, any agreement(s) in conflict herewith, and agrees that this assignment is binding on him and his heirs, successors, assigns and legal representatives. 6) Each undersigned hereby grants the firm of OLIFF & BERRIDGE, PLC the power to insert on this assignment any further identification that may be necessary or desirable in order to comply with the rules of any issuing authority, including the United States Patent and Trademark Office, for recordation of this document.									
	In witness whereof, execu	ated by	the undersigned on the date(s) of		rsigned name(s).				
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Date			Inventor Signature	<u> </u>	*****	(SEAL) .			
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neithe Date Date			ly be signed before: (a) a Notary least two witnesses who also si Witness Witness		the U.S.A. (b) a U.S. Consul i	f outside the U.S.A. If			
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WURLDWIDE ASSIGNMENT

		(1)	Harl	an A. HURWITZ	(5)	Comeliu C. CHIRNOAGA			
(1-8)	Insert Name(s)	(2)	Jame	es H. HALPIN	(6)	Mark LADWIG			
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	Application Number	(Attorney Docket No. <u>119630</u>). for which the undersigned has (have) executed an application for patent in the United States of America on							
				erewith or					
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	In witness whereof, exec	uted by	the un	dersigned on the date(s) oppo	osite the under	signed name(s).			
Date				Inventor Signature		(SEAL)			
Date				Inventor Signature		(SEAL)			
Date				Inventor Signature		(SEAL)			
Date				Inventor Signature		(SEAL)			
Date	8/21/05			Inventor Signature	A	(SEAL)			
neithe	r, then it should be signed b	oreferab efore a	ly be si t least t	wo witnesses who also sign/1	blig if within t	he U.S.A. (b) a U.S. Consul if outside the U.S.A. If			
Date	8/24/05	<u> </u>		Witness		a water			
Date	1831	<u> </u>		Witness	Charles of the contract of the	4 2. (L)			

WORLDWIDE ASSIGNMENT

	•	(1)	Harlan A. HURWITZ	(5)	Corneliu C. CHIRNOAGA				
(1-8)	Insert Name(s)	(2)	James H. HALPIN	(6)	Mark LADWIG				
	of Inventor(s)	(3)	Robert M. PICKLES, Jr.	(7)	Steven ANTONELLI				
		(4)			Darren TAYLOR				
			In consideration of the sum of coordinate of the undersigned, the receipt an es to assign, and hereby does assign.	id sufficiency of	and other good and valuable consideration paid to which are hereby acknowledged, each undersigned set over to				
(9)	Insert Name of Assignee	(9)	DE LA RUE INTERNATIO	NAL, LIMITE	D				
(10)	Insert Address of Assignee	(10)	DE LA RUE HOUSE, JAYS VIABLES, BASINGSTOKI HAMPSHIRE, RG22 4BS U	Е	DOM ·				
(11)	Insert	(hereinafter designated as the Assignee) and Assignee's heirs, successors, assigns and legal representatives 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 application 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, know							
(11)	Identification,	(11)	MANAGING PAYMENT M		PRODUCT FOR ELECTRONICALLY .				
	such as Title, Case Number or Foreign								
	Application Number	(Attorney Docket No. 119630).							
		for which the undersigned has (have) executed an application for patent in the United States of America on even date herewith or							
(12)	Insert Date of Signing of Application	(12)	on		_ .				
(13)	Alternative Identification for filed	(13)	U.S. Application Serial Numbe	er <u>11/11</u>	7,563				
	applications	filed	April 29, 2005						
1) Each undersigned agrees to execute all papers necessary in connection with any application and/or grant for the invention and also to execute separate assignments in connection with such applications and grants as the Assignee may deem necessary. 2) Each undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning any application or grant for the invention and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference. 3) Each undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements. 4) Each undersigned agrees to perform all affirmative acts which may be necessary to obtain, maintain or confirm a valid grant to the Assignee in the United States and any other country in which the Assignee may file a patent application(s). 5) Each undersigned authorizes and requests the Commissioner of the U.S. Patent and Trademark Office and other issuing authorities to issue any and all grants resulting from said application(s) to the said Assignee, as Assignee of the entire interest, and covenants that he has full right to convey the entire interest herein assigned, and that he has not executed, and will not execute, any agreement(s) in conflict herewith, and agrees that this assignment is binding on him and his heirs, successors, assigns and legal representatives. 6) Each undersigned hereby grants the firm of Oliff & Berridge, Plc the power to insert on this assignment any further identification that may be necessary or desirable in order to comply with the rules of any issuing authority, including the United States Patent and Trademark Office, for recordation of this document.									
			the undersigned on the date(s) opposite the undersigned on the undersigned o	posite the under	signed name(s).				
Date	6/7/05		Inventor Signature		(SEAL)				
Date			Inventor Signature		(SEAL)				
Date			Inventor Signature		(SEAL)				
Date			Inventor Signature		(SEAL)				
Date			Inventor Signature		(SEAL)				
			least two witnesses who also sign		the U.S.A. (b) a U.S. Consul if outside the U.S.A. If				
Date	172-		Witness		I Basnocim				
Date	1.7.2005		Witness	HA A A A A	Co. MCD. MICES				

RECORDED: 12/12/2005

PATENT REEL: 017348 FRAME: 0082