To the	Honorable Commissioner of Patents and Trademarks:	Please record	d the attached ori	ginal documen	ts or copy thereof		
1. Name	e of conveying parties	2. Name	and address	of receiving p	party(ies):		
William F	itzpatrick, John Furlong, Robert Mauer,	Name	PaineWebb	er Incorpora	nted		
David Hu	mmelberg, and Brian Martone	Interna	al Address:		o I		
Additional r	name(s) & party(ies) attached?				, a 80		
3. Natu	re of conveyance:				N. C.		
✓ As	ssignment Merger	Street	Address:		880		
	ecurity Agreement Change of Name	1200	1200 Harbor Boulevard				
	ther	City:	City: Weehawken State: NJ Zip: 07087				
Execu	october 24, 2000	Additional name(s) & address(es) Attached? Yes N					
4. Appli	cation number(s) or patent number(s):	11/1122	358				
If this	document is being filed together with a new application. In	ne execution dat	te of the application	n is: Nov	vember 14, 200		
A. Pate	nt Application No.(s)	B. Pater	B. Patent No.(s)				
	Additional numbers attached?	Yes 🗸	∕ No				
	e and address of party to whom correspondence	6 Total	number of app	olications and	d patents		
conc	e and address of party to whom correspondence erning document should be mailed:		number of app	olications and	d patents		
	e and address of party to whom correspondence erning document should be mailed:	6. Total involv	number of app /ed:	1			
Conc	e and address of party to whom correspondence erning document should be mailed:	6. Total involv	number of app /ed: fee (37 CFR 3	1	d patents		
Conc	e and address of party to whom correspondence erning document should be mailed: Leslie Gladstone Restaino	6. Total involv	number of app /ed:	1			
Conc Name Interr	e and address of party to whom correspondence erning document should be mailed: Leslie Gladstone Restaino	6. Total involv	number of app /ed: fee (37 CFR 3	.41)\$	40.00		
Name Interr	e and address of party to whom correspondence erning document should be mailed: Leslie Gladstone Restaino nal Address:	6. Total involv	number of apported: fee (37 CFR 3	1 .41)\$ _	40.00		
Conc Name Interr Rik Stree He	e and address of party to whom correspondence erning document should be mailed: Leslie Gladstone Restaino nal Address: ter, Danzig, Scherer, Hyland & Perreiti LLP	6. Total involv	number of apported: fee (37 CFR 3 Enclosed Authorized to be esit account nur	1 .41)\$ _	40.00		
Conc Name Interr Rik Stree He	e and address of party to whom correspondence erning document should be mailed: Leslie Gladstone Restaino nal Address: Ler, Danzig, Scherer, Hyland & Perretti LLP et Address: adquarters Plaza	6. Total involv 7. Total V 8. Depo	number of apported: fee (37 CFR 3 Enclosed Authorized to be esit account nur	1 .41)\$ _	40.00		
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Mail documents to be recorded with required cover sheet information to: Commissioner of Patents and Trademarks, Box Assignments Washington, D.C. 20231

ASSIGNMENT

Assignment before issue of Letters Patent

Docket No. 4034-32

WHEREAS,

we, William Fitzpatrick, a resident of Howell, County of Monmouth, State of New Jersey; John Furlong, resident of Plandome, County of Nassau, State of New York; Robert Mauer, a resident of Levittown, County of Nassau, State of New York; David Hummelberg, a resident of Basking Ridge, County of Somerset, State of New Jersey: Brian Martone, a resident of Hoboken, County of Hudson, State of New Jersey

(hereinafter "Assignor") have invented certain new and useful improvements in

BROWSER INTERFACE AND NETWORK BASED FINANCIAL SERVICE SYSTEM

(hereinafter "invention") for which Assignor is making or has made application for LETTERS PATENT OF THE UNITED STATES, which application has been duly executed by Assignor on the day(s) and date(s) of these presents.

AND WHEREAS, PAINEWEBBER INCORPORATED, a corporation organized and existing under the laws of the State of Delaware, U.S.A., having a place of business at 1200 Harbor Boulevard, Weehawken, New Jersey, U.S.A., hereinafter called the Assignee, is desirous of acquiring the entire right, title and interest in and to said invention within the United States of America and its territorial possessions and all foreign countries and any United States or foreign LETTERS PATENT that may be granted therefor.

NOW, THIS INDENTURE WITNESSETH, that for good and valuable considerations, the receipt whereof is hereby acknowledged, Assignor has assigned, sold and transferred, and does hereby assign, sell and transfer to the said Assignee the entire right, title and interest in and to the said invention, within the United States of America and its territorial possessions and all foreign countries and in and to any LETTERS PATENT of the United States and foreign countries, including utility models, inventor's certificates and like government grants, and all divisions, reissues, continuations and extensions thereof that may be granted therefor, and the right to apply for LETTERS PATENT in foreign countries with full benefit of such priorities as may now or hereafter be granted to Assignor by local laws or by treaty, including any international convention, for the protection of industrial property, together with the right to extend the protection of said U.S. LETTERS PATENT to the various territorial possessions now owned or which may be hereafter acquired by the United States of America, all said rights to be held and enjoyed by the Assignee for its own use and benefit, and for the use and benefit of its successors or assigns, to the full end of the term for which said LETTERS PATENT may be granted, as fully and entirely as the same would have been held and enjoyed by Assignor if this assignment and sale had not been made. And Assignor does hereby request and authorize the Commissioner of Patents and Trademarks, U.S.A., to issue said U.S. LETTERS PATENT, when granted, in accordance with this assignment.

Assignor further covenants and agrees with the Assignee that Assignor has a full and unencumbered title to the invention hereby assigned, which title Assignor warrants unto the Assignee, and Assignor further agrees that Assignor will, without demanding any further consideration therefor, at the request but at the expense of the Assignee, do all lawful and just acts, including the execution and acknowledgment of instruments, that may be or become necessary for obtaining, sustaining, extending, reissuing or reexamining United States and foreign LETTERS PATENT or the like for the said invention, and for maintaining and perfecting the Assignee's right to said invention and LETTERS PATENT particularly in cases of interference, conflict, opposition and litigation.

IN TESTIMONY WHEREOF, I have hereunto set my hand this	day of October , 2000
William Fitzpatrick	
IN TESTIMONY WHEREOF, I have hereunto set my hand this	day of October , 2000
of E Fulu	
IN TESTIMONY WHEREOF, I have hereunto set my hand this	day of October , 2000
here It Man	day of <u>October</u> , <u>2000</u>
Robert Mauer	

C-182 (6/87)

STATE OF NEW JERSEY		
COUNTY OF HUDSON) 88.1	
On this 24th day of	October , 2000 before	e me personally appeared
William Fitzpatrick		
to me known and known to me to be the individual	described in and who exec	uted the foregoing instrument
and he acknowledged to me that		CLARA L. NAVARRETE
[SEAL]	Cloud Myanete	A Notary Public of New Jersey
	My commission expires:	A commune sibise (3:0:10:20)
STATE OF New Jersey)	
COUNTY OF LUDSON) ss :)	
14	October , 2000 before	me personally appeared
John Furlong		
to me known and known to me to be the individual		ated the foregoing instrument,
and he acknowledged to me that		CLARA L. NAVARREYE
[SEAL]	(Vaca X M Namete	A Notary Public of New Jersey My Commission Existent Rublics 2004
	My commission expires:	
STATE OF New JERSEY COUNTY OF Hudson)	
COUNTRY OF ALL) ss.	
<i>i</i>	,	
On this day of Robert Mauer	October , 2000 before	e me personally appeared
to me known and known to me to be the individual	described in and who exect	ated the foregoing instrument
and he acknowledged to me that		and the foregoing maturities,
[SEAL]	Chara & Mayete	CLARA L. NAVARRETE A Notary Public of New Jersey
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Assignment William Fitzpatrick, John Furlong, Robert Mauer, David Hummelberg, and Brian Martone TO PAINEWEBBER INCORPORATED INVENTION:	BROWSER INTERFACE AND NETWORK BASED FINANCIAL SERVICE SYSTEM Docket No.: 4034-32	PaineWebber Incorporated 1200 Harbor Boulevard Weehawken, New Jersey 07087

ASSIGNMENT

Assignment before issue of Letters Patent

WHEREAS, we, William Fitzpatrick, a resident of Howell, County of Monmouth, State of New Jersey; John Furlong resident of Plandome, County of Nassau, State of New York; Robert Mauer, a resident of Levittown, County of Nassau, State of New York; David Hummelberg, a resident of Basking Ridge, County of Somerset, State of New Jersey; Brian Martone, a resident of Hoboken, County of Hudson, State of New Jersey

(hereinafter "Assignor") have invented certain new and useful improvements in

BROWSER INTERFACE AND NETWORK BASED FINANCIAL SERVICE SYSTEM

(hereinafter "invention") for which Assignor is making or has made application for LETTERS PATENT OF THE UNITED STATES, which application has been duly executed by Assignor on the day(s) and date(s) of these presents.

AND WHEREAS, PAINEWEBBER INCORPORATED, a corporation organized and existing under the laws of the State of Delaware, U.S.A., having a place of business at 1200 Harbor Boulevard, Weehawken, New Jersey, U.S.A., hereinafter called the Assignee, is desirous of acquiring the entire right, title and interest in and to said invention within the United States of America and its territorial possessions and all foreign countries and any United States or foreign LETTERS PATENT that may be granted therefor.

NOW, THIS INDENTURE WITNESSETH, that for good and valuable considerations, the receipt whereof is hereby acknowledged, Assignor has assigned, sold and transferred, and does hereby assign, sell and transfer to the said Assignee the entire right, title and interest in and to the said invention, within the United States of America and its territorial possessions and all foreign countries and in and to any LETTERS PATENT of the United States and foreign countries, including utility models, inventor's certificates and like government grants, and all divisions, reissues, continuations and extensions thereof that may be granted therefor, and the right to apply for LETTERS PATENT in foreign countries with full benefit of such priorities as may now or hereafter be granted to Assignor by local laws or by treaty, including any international convention, for the protection of industrial property, together with the right to extend the protection of said U.S. LETTERS PATENT to the various territorial possessions now owned or which may be hereafter acquired by the United States of America, all said rights to be held and enjoyed by the Assignee for its own use and benefit, and for the use and benefit of its successors or assigns, to the full end of the term for which said LETTERS PATENT may be granted, as fully and entirely as the same would have been held and enjoyed by Assignor if this assignment and sale had not been made. And Assignor does hereby request and authorize the Commissioner of Patents and Trademarks, U.S.A., to issue said U.S. LETTERS PATENT, when granted, in accordance with this assignment.

Assignor further covenants and agrees with the Assignee that Assignor has a full and unencumbered title to the invention hereby assigned, which title Assignor warrants unto the Assignee, and Assignor further agrees that Assignor will, without demanding any further consideration therefor, at the request but at the expense of the Assignee, do all lawful and just acts, including the execution and acknowledgment of instruments, that may be or become necessary for obtaining, sustaining, extending, reissuing or reexamining United States and foreign LETTERS PATENT or the like for the said invention, and for maintaining and perfecting the Assignee's right to said invention and LETTERS PATENT particularly in cases of interference, conflict, opposition and litigation.

IN TESTIMONY WHEREOF, I have hereunto set my hand this day of October, 2000	
Brian Martone	
IN TESTIMONY WHEREOF, I have hereunto set my hand this Zy day of October, 2000	
David Hummelberg	
IN TESTIMONY WHEREOF, I have hereunto set my hand this day of,	

C-182 (6/87)

STATI	E OF	New Jerse	еу		<i>)</i>			
COLIN	ITY OF	Hudson) ss.:			
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Brian I	Martone	On this	<u>×/</u>	day of	October	, 2000	oeiore me p	personally appeared
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		acknow				executed the		
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		NI. Y			My commis	sion expires:		
STATI	E OF	New Jerse	ey		.) -) ss∴			
COUN	TTY OF	Hudson)			
		On this	244	day of	October	, 2000	before me p	personally appeared
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RECORDED: 11/14/2000