

PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table><tr><th>Name</th><th>Execution Date</th></tr><tr><td>John E. Shirey</td><td>08/26/2008</td></tr><tr><td>James H. Bullard</td><td>08/29/2008</td></tr><tr><td>Joseph S. Dollard</td><td>09/03/2008</td></tr></table>		Name	Execution Date	John E. Shirey	08/26/2008	James H. Bullard	08/29/2008	Joseph S. Dollard	09/03/2008
Name	Execution Date								
John E. Shirey	08/26/2008								
James H. Bullard	08/29/2008								
Joseph S. Dollard	09/03/2008								
RECEIVING PARTY DATA									
Name:	Chase Paymentech Solutions, LLC								
Street Address:	14221 Dallas Parkway								
Internal Address:	Building 2								
City:	Dallas								
State/Country:	TEXAS								
Postal Code:	75234								
PROPERTY NUMBERS Total: 1									
<table><tr><th>Property Type</th><th>Number</th></tr><tr><td>Application Number:</td><td>10196586</td></tr></table>		Property Type	Number	Application Number:	10196586				
Property Type	Number								
Application Number:	10196586								
CORRESPONDENCE DATA									
Fax Number:	(214)661-6604								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	214.953.5990								
Email:	jfarragher@jw.com								
Correspondent Name:	Christopher J. Rourk								
Address Line 1:	901 Main Street, Suite 6000								
Address Line 2:	Jackson Walker L.L.P.								
Address Line 4:	Dallas, TEXAS 75202								
ATTORNEY DOCKET NUMBER:	013647.00009								
NAME OF SUBMITTER:	Christopher J. Rourk								
Total Attachments: 4									

CH 10196586 \$40.00

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### ASSIGNMENT

WHEREAS, We, John E. Shirey, James H. Bullard and Joseph S. Dollard have jointly made an invention entitled, "SYSTEM AND APPARATUS FOR TRANSACTION DATA FORMAT AND FUNCTION VERIFICATION," for which an application for United States Letters Patent was filed on July 15, 2002, and assigned Serial No. 19/196,586.

WHEREAS, we represent and warrant that we are the joint owners of said invention and application for Letters Patent.

WHEREAS, Chase Paymentech Solutions, LLC (hereinafter ASSIGNEE), a limited liability corporation of the State of Delaware, having a business address of 14221 Dallas Parkway, Building 2, Dallas, Texas 75234, is desirous of acquiring the same.

NOW, THEREFORE, for and in consideration of One Dollar (\$1.00) and for other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by us, we have assigned, sold, transferred and set over and by these presents do assign, sell, transfer and set over unto said ASSIGNEE the entire right, title and interest in and to (a) said invention and worldwide rights therein; (b) said Applications, including all divisions, continuations and substitutions thereof; and (c) all United States and foreign patents which shall issue on said invention, including all reissues, renewals and extensions thereof, for the United States, its territories and possessions and all foreign countries, including the right to file corresponding applications for Letters Patent on said invention in any and all foreign countries, and to claim priority under any and all treaties and conventions to which the United States of America is signatory including the Paris Convention for the Protection of Industrial Property for such corresponding applications, or any division, continuation or substitution thereof, the same to be held and enjoyed by said ASSIGNEE, its assigns and successors, as fully and entirely as the same would have been held and enjoyed by us, had this assignment not been made.

We jointly and severally covenant and agree that we will, at any time upon the request and at the expense of said ASSIGNEE, execute and deliver any and all papers and do all lawful acts that may be necessary or desirable, in the opinion of said ASSIGNEE, to (a) obtain Letters Patent, both domestic and foreign, on said invention; (b) establish, maintain and secure title in said ASSIGNEE, its assigns and successors, to said invention, application and Letters Patent, including making such title of lawful public record; and (c) defend, establish or otherwise preserve the validity of said Letters Patent against any and all infringers, and perform such other acts as are necessary to give full force and effect to this assignment.

We jointly and severally represent and covenant that no assignment, mortgage, sale, license, pledge, encumbrance or alienation of said invention or Applications has been or will be made or entered into which would conflict with this assignment and sale.

We hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any other relevant authorities to issue all Letters Patent based on said Applications and each division, continuation, substitution, reissue, renewal and extension thereof to said ASSIGNEE, its assigns and successors.

Each of the undersigned further declares that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the Applications or any patent issued thereon.

IN TESTIMONY WHEREOF, we have duly executed this assignment on the date as indicated next to our names.

Date: 26 Aug. / 2008

John E. Shirey  
John E. Shirey

Residence Address:  
3 Millview Court  
Malahide  
Co. Dublin, Ireland

Citizenship: United States of America

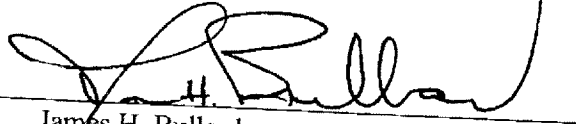
Before me, the undersigned Witness, on this 26<sup>th</sup> day of August, 2008, personally appeared John E. Shirey, who executed the foregoing instrument in my presence.

Eve Walsh  
Witness Signature

EVE WALSH  
Witness Printed Name

Date:

8/29/2009

  
James H. Bullard

Residence Address:

10408 Applecross Lane

Tampa, Florida 33626

Citizenship: United States of America

State of

Florida

County of

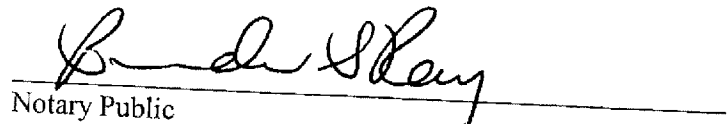
HILLSBOROUGH

)

) ss.

Before me, the undersigned Notary Public, on this day personally appeared James H. Bullard, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

Given under my hand and seal of office this 29 day of August, 2008.

  
Notary Public  
My Commission Expires: July 10, 2011



Date: 9/3/08

  
Joseph S. Dollard

Residence Address:

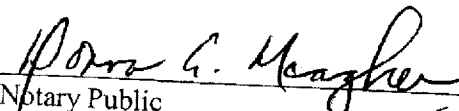
Citizenship: United States of America

State of Florida  
County of Hillsborough

)  
) ss.

Before me, the undersigned Notary Public, on this day personally appeared Joseph S. Dollard, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

Given under my hand and seal of office this 3<sup>rd</sup> day of September, 2008.

  
Notary Public  
My Commission Expires: 5/8/11

