

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Vivotech (Assignment for the Benefit of Creditors), LLC</td> <td>08/13/2012</td> </tr> </tbody> </table>		Name	Execution Date	Vivotech (Assignment for the Benefit of Creditors), LLC	08/13/2012						
Name	Execution Date										
Vivotech (Assignment for the Benefit of Creditors), LLC	08/13/2012										
RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>MasterCard International Incorporated</td> </tr> <tr> <td>Street Address:</td> <td>2000 Purchase Street</td> </tr> <tr> <td>City:</td> <td>Purchase</td> </tr> <tr> <td>State/Country:</td> <td>NEW YORK</td> </tr> <tr> <td>Postal Code:</td> <td>10577</td> </tr> </table>		Name:	MasterCard International Incorporated	Street Address:	2000 Purchase Street	City:	Purchase	State/Country:	NEW YORK	Postal Code:	10577
Name:	MasterCard International Incorporated										
Street Address:	2000 Purchase Street										
City:	Purchase										
State/Country:	NEW YORK										
Postal Code:	10577										
PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13669346</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13669346						
Property Type	Number										
Application Number:	13669346										
CORRESPONDENCE DATA											
Fax Number:	9194190383										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	9194938000										
Email:	ezayatz@jwth.com										
Correspondent Name:	Gregory A. Hunt										
Address Line 1:	3100 Tower Blvd										
Address Line 2:	University Tower, Suite 1200										
Address Line 4:	Durham, NORTH CAROLINA 27707										
ATTORNEY DOCKET NUMBER:	1615/63/2										
NAME OF SUBMITTER:	Gregory A. Hunt										
Signature:	/Gregory A. Hunt/										
Date:	06/04/2013										
Total Attachments: 9											

OP \$40.00 13669346

source=VivotechABC\_to\_MasterCard\_Assignment#page1.tif  
source=VivotechABC\_to\_MasterCard\_Assignment#page2.tif  
source=VivotechABC\_to\_MasterCard\_Assignment#page3.tif  
source=VivotechABC\_to\_MasterCard\_Assignment#page4.tif  
source=VivotechABC\_to\_MasterCard\_Assignment#page5.tif  
source=VivotechABC\_to\_MasterCard\_Assignment#page6.tif  
source=VivotechABC\_to\_MasterCard\_Assignment#page7.tif  
source=VivotechABC\_to\_MasterCard\_Assignment#page8.tif  
source=VivotechABC\_to\_MasterCard\_Assignment#page9.tif

## Patent Assignment

This Patent Assignment is made as of August 13, 2012, by and between Vivotech (Assignment for the Benefit of Creditors), LLC, a California limited liability company (in its sole and limited capacity as Assignee for the Benefit of Creditors of ViVOtech, Inc.), having an address at 1100 La Avenida, Mountain View, California 94043, (“**Vivotech**” or “**Assignor**”), and MasterCard International Incorporated, a Delaware corporation, having an address at 2000 Purchase Street, Purchase, NY 10577 (“**Assignee**”), with reference to that certain Asset Purchase Agreement dated August 13, 2012. Capitalized terms used without definitions herein shall have the meanings ascribed to such terms in the Asset Purchase Agreement.

**WHEREAS**, pursuant to the terms of that General Assignment Agreement between ViVOtech, Inc. (the “**Company**”) and the Assignor, all of the Company’s rights, title and interest in, to and under the Company’s patents and patent applications identified in **Schedule A** attached hereto, together with the inventions described and/or claimed therein (“**Patents**”) have been assigned to the Assignor, and as such the Assignor is the owner of all the right, title and interest in all of the Patents;

**WHEREAS**, Assignor desires to assign to Assignee all the right, title and interest of Assignor in and to the Patents, and Assignee desires to accept such assignment;

**WHEREAS**, the Asset Purchase Agreement requires Assignor to deliver at closing such further documents as might be required to reflect Assignor’s assignment to Assignee of the Patents; and

**WHEREAS**, the parties accordingly wish to execute this recordable instrument, assigning all of Assignor’s right, title and interest in and to the Patents to Assignee;

**NOW, THEREFORE**, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignor and Assignee agree as follows:

1. Assignor does hereby sell, assign, transfer and set over, unto the Assignee, its successors, legal representatives and assigns, Assignor’s entire right, title and interest throughout the world in, to and under the Patents, including any patent applications related thereto or based thereon and any patent of the United States which may be issued on any of said patent applications, and any and all continuations, continuations-in-part, divisions, extensions, prolongations, substitutions, reissues, renewals and reexaminations thereof; ; and all Letters Patent which may be granted thereon; and all rights of priority including under International Conventions, and all foreign counterparts thereof, including all foreign patents, patent applications and utility model applications stemming from said Patents, and all other corresponding rights that are or may be secured under the laws of the United States or any foreign country, now or hereafter in effect (collectively, “**Related Patents**”), for Assignee’s own and sole use and enjoyment, and for the use and enjoyment of Assignee’s successors, assigns or other legal representatives, as fully and entirely as the same would have been held and enjoyed by Assignors if this Assignment had not been made, as well as all income, royalties, damages or

payments by reason of infringement of said Patents or Related Patents, including all rights to sue or bring any actions, causes of action and rights to recover and collect monetary relief and payments for past, present or future infringements or misappropriations thereof, for Assignee's sole use and enjoyment, and to have and to hold same to the full end of the term of the last to expire of said Patents and Related Patents.

2. Assignor, for the considerations aforesaid, does hereby covenant and agree to and with Assignee, its successors and assigns, that (a) Assignor has the full power to make this assignment, and that any and all security interests, liens and/or any similar encumbrances have been released; (b) Assignor, its successors and assigns, will do all lawful acts and things, and procure or make, execute, and deliver any and all instruments in writing and any and all further application papers, affidavits, assignments or other documents which may be required or necessary in this or any foreign country (i) to more effectively secure to and vest in Assignee, its successors and assigns, the entire right, title and interest in and to said Patents and Related Patents free and clear of any security interests, liens or similar encumbrances; and (ii) to perfect any recordation of this Assignment with the United States Patent and Trademark Office ("USPTO") and any corresponding patent office in any other country.

3. Assignor hereby authorizes and requests the USPTO (and any corresponding patent office in any other country) to (a) record this Assignment, and to reflect in its records, that ownership of such Patents and any Related Patents is wholly and fully with Assignee free and clear of any security interests, liens or similar encumbrances, and (b) issue any said Letter Patents, including those from Related Patents, in Assignee's name in accordance with this Assignment.

4. Upon request by Assignee, Assignor, its successors and assigns, will procure and provide, or will have provided, to Assignee or its legal representatives, all pertinent facts and documents relating to said Patents as may be known and accessible to Assignor, its successors and assigns; will use reasonable efforts, where possible, to assist Assignee in obtaining from the named inventor(s) of each such Patent all pertinent facts and documents relating to said Patents and testifying as to the same, in connection with any Patent Office proceeding or any litigation related thereto; and, will promptly execute and deliver to Assignee or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain and enforce said Patents and any improvements thereof, and assignor agrees to undertake commercially reasonable efforts to assist Assignee to evidence, record and perfect the assignment hereunder.

[SIGNATURES FOLLOW ON NEXT PAGE]

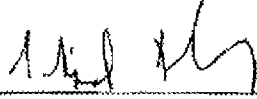
IN WITNESS WHEREOF, the parties hereto have duly executed under seal and delivered this Agreement, as of the day and year first above written.

**ASSIGNOR:**

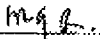
**ASSIGNEE:**

Vivotech (assignment for the benefit of creditors), LLC, solely as Assignee for the Benefit of Creditors of ViVOtech, Inc.

MasterCard International Incorporated

By 

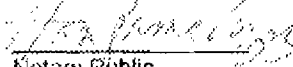
By \_\_\_\_\_

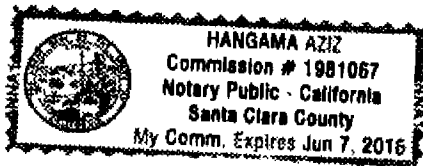
Its: 

Its: \_\_\_\_\_

**NOTARIAL CERTIFICATE**

BE IT KNOWN, that on this 13th day of August, 2012, before me personally came Michael A. Maly, a legal representative and officer of Assignor, to me known to be the person mentioned in and who executed the foregoing assignment, and acknowledged to me that he executed the same as his free act and deed for the use and purposes therein mentioned.

  
Notary Public



IN WITNESS WHEREOF, the parties hereto have duly executed under seal and delivered this Agreement, as of the day and year first above written.

**ASSIGNOR:**

**ASSIGNEE:**

Vivotech (assignment for the benefit of creditors), LLC, solely as Assignee for the Benefit of Creditors of ViVOtech, Inc.

MasterCard International Incorporated

By: \_\_\_\_\_

By: Peter Kopp  
PETER KOPP

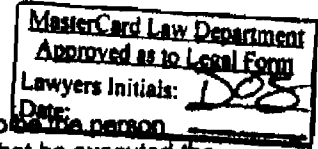
Its: \_\_\_\_\_

Its: Group Executive, Strategy & Corporate Development

**NOTARIAL CERTIFICATE**

BE IT KNOWN, that on this 10th day of August, 2012, before me personally came \_\_\_\_\_ a legal representative and officer of Assignor, to me known to be the person mentioned in and who executed the foregoing assignment, and acknowledged to me that he executed the same as his free act and deed for the use and purposes therein mentioned.

\_\_\_\_\_  
Notary Public



**Schedule A to Patent Assignment**

File No.	Country	Status	Title	Filing Date	Application No.	Issue Date	Patent No.	Expires
1615/10	United States	Registered/Issued	METHODS, SYSTEMS AND COMPUTER PROGRAM PRODUCTS FOR INTERACTING WITH ISO 14443-4 AND MIFARE® APPLICATIONS ON THE SAME WIRELESS SMART DEVICE DURING A COMMON TRANSACTION	6/8/2007	11/811,342	2/14/2012	8,116,678	12/3/2028
1615/10 PCT/CN	China	Pending	METHODS, SYSTEMS AND COMPUTER PROGRAM PRODUCTS FOR INTERACTING WITH ISO 14443-4 AND MIFARE® APPLICATIONS ON THE SAME WIRELESS SMART DEVICE DURING A COMMON TRANSACTION	2/8/2010	200880102453.8			
1615/10 PCT/EP	European Patent	Pending	METHODS, SYSTEMS AND COMPUTER PROGRAM PRODUCTS FOR INTERACTING WITH ISO 14443-4 AND MIFARE® APPLICATIONS ON THE SAME WIRELESS SMART DEVICE DURING A COMMON TRANSACTION	1/8/2010	08768281.1			
1615/10 PCT/IN	India	Pending	METHODS, SYSTEMS AND COMPUTER PROGRAM PRODUCTS FOR INTERACTING WITH ISO 14443-4 AND MIFARE® APPLICATIONS ON THE SAME WIRELESS SMART DEVICE DURING A COMMON TRANSACTION	1/8/2010	151DELNP2010			
1615/17/2	United States	Pending	METHODS, SYSTEMS, AND COMPUTER PROGRAM PRODUCTS FOR STORING USUAL ORDER PREFERENCE DATA FOR RECURRENT ORDERS	8/13/2008	12/191,288			
1615/2	United States	Registered/Issued	METHODS, SYSTEMS AND COMPUTER PROGRAM PRODUCTS FOR OVER THE AIR (OTA) PROVISIONING OF SOFT CARDS ON DEVICES WITH WIRELESS COMMUNICATIONS CAPABILITIES	9/1/2006	11/514,698	12/23/2008	7,469,151	6/14/2027
1615/2 PCT/CN	China	Pending	METHODS, SYSTEMS AND COMPUTER PROGRAM PRODUCTS FOR OVER THE AIR (OTA) PROVISIONING OF SOFT CARDS ON DEVICES WITH WIRELESS COMMUNICATIONS CAPABILITIES	4/30/2009	200780040617.4			
1615/2 PCT/EP	European Patent	Pending	METHODS, SYSTEMS AND COMPUTER PROGRAM PRODUCTS FOR OVER THE AIR (OTA) PROVISIONING OF SOFT CARDS ON DEVICES WITH WIRELESS COMMUNICATIONS CAPABILITIES	3/24/2009	07836358.7			
1615/2 PCT/IN	India	Pending	METHODS, SYSTEMS AND COMPUTER PROGRAM PRODUCTS FOR OVER THE AIR (OTA) PROVISIONING OF SOFT CARDS ON DEVICES WITH WIRELESS COMMUNICATIONS CAPABILITIES	3/27/2009	1752CHENP2009			
1615/2/2 CIP	United States	Registered/Issued	METHODS, SYSTEMS AND COMPUTER READABLE MEDIA FOR OVER THE AIR (OTA) PROVISIONING OF SOFT CARDS ON DEVICES WITH WIRELESS COMMUNICATIONS CAPABILITIES	12/19/2008	12/340,568	4/24/2012	8,165,635	6/29/2027
1615/2/2 PCT/CN	China	Pending	METHODS, SYSTEMS AND COMPUTER READABLE MEDIA FOR OVER THE AIR (OTA) PROVISIONING OF SOFT CARDS ON DEVICES WITH WIRELESS COMMUNICATIONS CAPABILITIES	8/18/2011	200980157050.8			
1615/2/2 PCT/EP	European Patent	Published	METHODS, SYSTEMS AND COMPUTER READABLE MEDIA FOR OVER THE AIR (OTA) PROVISIONING OF SOFT CARDS ON DEVICES WITH WIRELESS COMMUNICATIONS CAPABILITIES	7/19/2011	09833865.0			
1615/2/2 PCT/IN	India	Pending	METHODS, SYSTEMS AND COMPUTER READABLE MEDIA FOR OVER THE AIR (OTA) PROVISIONING OF SOFT CARDS ON DEVICES WITH WIRELESS COMMUNICATIONS CAPABILITIES	7/19/2011	5233CHENP2011			
1615/2/3 CIP	United States	Pending	METHODS, SYSTEMS AND COMPUTER READABLE MEDIA FOR OVER THE AIR (OTA) PROVISIONING OF SOFT CARDS ON DEVICES WITH WIRELESS COMMUNICATIONS CAPABILITIES	4/23/2012	13/453,707			
1615/22	United States	Registered/Issued	SYSTEMS, METHODS, AND COMPUTER PROGRAM PRODUCTS FOR SUPPORTING MULTIPLE CONTACTLESS APPLICATIONS USING DIFFERENT SECURITY KEYS	4/18/2008	12/105,778	6/28/2011	7,967,215	7/4/2021
1615/22 PCT/BR	Brazil	Pending	SYSTEMS, METHODS, AND COMPUTER PROGRAM PRODUCTS FOR SUPPORTING MULTIPLE CONTACTLESS APPLICATIONS USING DIFFERENT SECURITY KEYS	10/18/2010	09112170-0			

1615/22 PCT/CN	China	Pending	SYSTEMS, METHODS, AND COMPUTER PROGRAM PRODUCTS FOR SUPPORTING MULTIPLE CONTACTLESS APPLICATIONS USING DIFFERENT SECURITY KEYS	12/17/2010	200980123014.X			
1615/22 PCT/EP	European Patent	Pending	SYSTEMS, METHODS, AND COMPUTER PROGRAM PRODUCTS FOR SUPPORTING MULTIPLE CONTACTLESS APPLICATIONS USING DIFFERENT SECURITY KEYS	11/9/2010	09732610.2			
1615/23	United States	Pending	METHODS, SYSTEMS AND COMPUTER READABLE MEDIA FOR STORING AND REDEEMING ELECTRONIC CERTIFICATES USING A WIRELESS SMART CARD	8/1/2008	12/184,847			
1615/23 PCT/CA	Canada	Pending	METHODS, SYSTEMS, AND COMPUTER READABLE MEDIA FOR STORING AND REDEEMING ELECTRONIC CERTIFICATES USING A WIRELESS SMART CARD	2/1/2011	2732869			
1615/23 PCT/EP	European Patent	Pending	METHODS, SYSTEMS, AND COMPUTER READABLE MEDIA FOR STORING AND REDEEMING ELECTRONIC CERTIFICATES USING A WIRELESS SMART CARD	2/15/2011	09803712.0			
1615/30	United States	Pending	METHODS, SYSTEMS AND COMPUTER READABLE MEDIA FOR ELECTRONICALLY DELIVERING A PREPAID CARD TO A MOBILE DEVICE	8/12/2008	12/190,564			
1615/30 PCT/AP	ARIPO (P & D)	Pending	METHODS, SYSTEMS AND COMPUTER READABLE MEDIA FOR ELECTRONICALLY DELIVERING A PREPAID CARD TO A MOBILE DEVICE	3/11/2011	2011/005619			
1615/30 PCT/AU	Australia	Pending	METHODS, SYSTEMS AND COMPUTER READABLE MEDIA FOR ELECTRONICALLY DELIVERING A PREPAID CARD TO A MOBILE DEVICE	3/3/2011	2009282041			
1615/30 PCT/BR	Brazil	Pending	METHODS, SYSTEMS AND COMPUTER READABLE MEDIA FOR ELECTRONICALLY DELIVERING A PREPAID CARD TO A MOBILE DEVICE	2/14/2011	PI0918011-7			
1615/30 PCT/CA	Canada	Pending	METHODS, SYSTEMS AND COMPUTER READABLE MEDIA FOR ELECTRONICALLY DELIVERING A PREPAID CARD TO A MOBILE DEVICE	2/2/2011	2734176			
1615/30 PCT/CN	China	Published	METHODS, SYSTEMS AND COMPUTER READABLE MEDIA FOR ELECTRONICALLY DELIVERING A PREPAID CARD TO A MOBILE DEVICE	4/11/2011	200980140368.5			
1615/30 PCT/EP	European Patent	Pending	METHODS, SYSTEMS AND COMPUTER READABLE MEDIA FOR ELECTRONICALLY DELIVERING A PREPAID CARD TO A MOBILE DEVICE	3/3/2011	09807223.4			
1615/30 PCT/IN	India	Pending	METHODS, SYSTEMS AND COMPUTER READABLE MEDIA FOR ELECTRONICALLY DELIVERING A PREPAID CARD TO A MOBILE DEVICE	3/7/2011	1560CHENP2011			
1615/30 PCT/MX	Mexico	Pending	METHODS, SYSTEMS AND COMPUTER READABLE MEDIA FOR ELECTRONICALLY DELIVERING A PREPAID CARD TO A MOBILE DEVICE	2/11/2011	2011001622			
1615/30 PCT/SG	Singapore	Pending	METHODS, SYSTEMS AND COMPUTER READABLE MEDIA FOR ELECTRONICALLY DELIVERING A PREPAID CARD TO A MOBILE DEVICE	2/11/2011	201101007-1			
1615/31	United States	Registered/Issued	RADIO FREQUENCY IDENTIFICATION (RFID) PAYMENT TERMINAL WITH DISPLAY-EMBEDDED RFID ANTENNA	4/4/2008	12/062,693	9/6/2011	8,011,594	11/10/202
1615/31/2 CON	United States	Pending	RADIO FREQUENCY IDENTIFICATION (RFID) PAYMENT TERMINAL WITH DISPLAY-EMBEDDED RFID ANTENNA	9/2/2011	13/225,383			
1615/33	United States	Pending	METHODS, SYSTEMS, AND COMPUTER READABLE MEDIA FOR SELECTING AND DELIVERING ELECTRONIC VALUE CERTIFICATES USING A MOBILE DEVICE	3/18/2009	12/406,916			
1615/33 PCT/CA	Canada	Pending	METHODS, SYSTEMS, AND COMPUTER READABLE MEDIA FOR SELECTING AND DELIVERING ELECTRONIC VALUE CERTIFICATES USING A MOBILE DEVICE	9/16/2011	2755832			
1615/33 PCT/EP	European Patent	Published	METHODS, SYSTEMS, AND COMPUTER READABLE MEDIA FOR SELECTING AND DELIVERING ELECTRONIC VALUE CERTIFICATES USING A MOBILE DEVICE	9/16/2011	10754103.9			
1615/34 PCT/AU	Australia	Pending	SYSTEMS, METHODS, AND COMPUTER READABLE MEDIA FOR PROVIDING FOR SECURE OFFLINE DATA TRANSFER BETWEEN WIRELESS SMART DEVICES	3/3/2011	2009282039			
1615/34 PCT/CA	Canada	Pending	SYSTEMS, METHODS, AND COMPUTER READABLE MEDIA FOR PROVIDING FOR SECURE OFFLINE DATA TRANSFER BETWEEN WIRELESS SMART DEVICES	2/11/2011	2734175			
1615/34 PCT/CN	China	Published	SYSTEMS, METHODS, AND COMPUTER READABLE MEDIA FOR PROVIDING FOR SECURE OFFLINE DATA TRANSFER BETWEEN WIRELESS SMART DEVICES	4/11/2011	200980140357.7			



1615/34 PCT/EP	European Patent	Pending	SYSTEMS, METHODS, AND COMPUTER READABLE MEDIA FOR PROVIDING FOR SECURE OFFLINE DATA TRANSFER BETWEEN WIRELESS SMART DEVICES	3/3/2011	09807221.8			
1615/34 PCT/IN	India	Pending	SYSTEMS, METHODS, AND COMPUTER READABLE MEDIA FOR PROVIDING FOR SECURE OFFLINE DATA TRANSFER BETWEEN WIRELESS SMART DEVICES	3/7/2011	1561CHENP2011			
1615/34 PCT/MX	Mexico	Pending	SYSTEMS, METHODS, AND COMPUTER READABLE MEDIA FOR PROVIDING FOR SECURE OFFLINE DATA TRANSFER BETWEEN WIRELESS SMART DEVICES	2/11/2011	2011001621			
1615/34 PCT/SG	Singapore	Pending	SYSTEMS, METHODS, AND COMPUTER READABLE MEDIA FOR PROVIDING FOR SECURE OFFLINE DATA TRANSFER BETWEEN WIRELESS SMART DEVICES	2/11/2011	201101009-7			
1615/34	United States	Allowed	SYSTEMS, METHODS, AND COMPUTER READABLE MEDIA FOR PROVIDING FOR SECURE OFFLINE DATA TRANSFER BETWEEN WIRELESS SMART DEVICES	8/12/2008	12/190,558			
1615/36 PCT/EP	European Patent	Published	METHODS, SYSTEMS AND COMPUTER READABLE MEDIA FOR REDEEMING AND DELIVERING ELECTRONIC LOYALTY REWARD CERTIFICATES USING A MOBILE DEVICE	7/21/2011	09837222.0			
1615/36/2	United States	Pending	METHODS, SYSTEMS AND COMPUTER READABLE MEDIA FOR REDEEMING AND DELIVERING ELECTRONIC LOYALTY REWARD CERTIFICATES USING A MOBILE DEVICE	12/31/2009	12/651,420			
1615/37 PCT	PCT	Pending	METHODS, SYSTEMS AND COMPUTER READABLE MEDIA FOR UTILIZING A CONSUMER OPT-IN MANAGEMENT SYSTEM	5/27/2011	PCT/US2011/038408			
1615/37/2	United States	Published	METHODS, SYSTEMS AND COMPUTER READABLE MEDIA FOR UTILIZING A CONSUMER OPT-IN MANAGEMENT SYSTEM	5/27/2011	13/118,046			
1615/38 PCT/AU	Australia	Pending	SYSTEMS, METHODS, AND COMPUTER READABLE MEDIA FOR PAYMENT AND NON-PAYMENT VIRTUAL CARD TRANSFER BETWEEN MOBILE DEVICES	4/20/2011	2009302485			
1615/38 PCT/CN	China	Published	SYSTEMS, METHODS, AND COMPUTER READABLE MEDIA FOR PAYMENT AND NON-PAYMENT VIRTUAL CARD TRANSFER BETWEEN MOBILE DEVICES	5/31/2011	200980148141.5			
1615/38 PCT/EP	European Patent	Pending	SYSTEMS, METHODS, AND COMPUTER READABLE MEDIA FOR PAYMENT AND NON-PAYMENT VIRTUAL CARD TRANSFER BETWEEN MOBILE DEVICES	4/19/2011	09819787.4			
1615/38 PCT/ID	Indonesia	Published	SYSTEMS, METHODS, AND COMPUTER READABLE MEDIA FOR PAYMENT AND NON-PAYMENT VIRTUAL CARD TRANSFER BETWEEN MOBILE DEVICES	5/5/2011	W00201101632			
1615/38 PCT/IN	India	Published	SYSTEMS, METHODS, AND COMPUTER READABLE MEDIA FOR PAYMENT AND NON-PAYMENT VIRTUAL CARD TRANSFER BETWEEN MOBILE DEVICES	4/21/2011	2686CHENP2011			
1615/38 PCT/JP	Japan	Pending	SYSTEMS, METHODS, AND COMPUTER READABLE MEDIA FOR PAYMENT AND NON-PAYMENT VIRTUAL CARD TRANSFER BETWEEN MOBILE DEVICES	4/6/2011	2011531127			
1615/38 PCT/KR	Korea	Pending	SYSTEMS, METHODS, AND COMPUTER READABLE MEDIA FOR PAYMENT AND NON-PAYMENT VIRTUAL CARD TRANSFER BETWEEN MOBILE DEVICES	4/29/2011	20117009841			
1615/38 PCT/MX	Mexico	Pending	SYSTEMS, METHODS, AND COMPUTER READABLE MEDIA FOR PAYMENT AND NON-PAYMENT VIRTUAL CARD TRANSFER BETWEEN MOBILE DEVICES	3/30/2011	2011003425			
1615/38 PCT/My	Malaysia	Pending	SYSTEMS, METHODS, AND COMPUTER READABLE MEDIA FOR PAYMENT AND NON-PAYMENT VIRTUAL CARD TRANSFER BETWEEN MOBILE DEVICES	4/6/2011	PI2011001548			
1615/38 PCT/SG	Singapore	Pending	SYSTEMS, METHODS, AND COMPUTER READABLE MEDIA FOR PAYMENT AND NON-PAYMENT VIRTUAL CARD TRANSFER BETWEEN MOBILE DEVICES	4/27/2011	201102460-1			
1615/38/2	United States	Pending	SYSTEMS, METHODS, AND COMPUTER READABLE MEDIA FOR PAYMENT AND NON-PAYMENT VIRTUAL CARD TRANSFER BETWEEN MOBILE DEVICES	10/6/2009	12/574,696			

1615/39 PCT/CN	China	Pending	METHODS, SYSTEMS, AND COMPUTER READABLE MEDIA FOR FACILITATING USE OF WIRELESS SMART DEVICES TO PURCHASE GOODS OR SERVICES	6/29/2012	201080059946.5			
1615/39 PCT/EP	European Patent	Pending	METHODS, SYSTEMS, AND COMPUTER READABLE MEDIA FOR FACILITATING USE OF WIRELESS SMART DEVICES TO PURCHASE GOODS OR SERVICES	5/24/2012	10827606.4			
1615/39 PCT/IN	India	Pending	METHODS, SYSTEMS, AND COMPUTER READABLE MEDIA FOR FACILITATING USE OF WIRELESS SMART DEVICES TO PURCHASE GOODS OR SERVICES	5/30/2012	4728CHENP2012			
1615/39/2	United States	Pending	METHODS, SYSTEMS, AND COMPUTER READABLE MEDIA FOR FACILITATING USE OF WIRELESS SMART DEVICES TO PURCHASE GOODS OR SERVICES	11/1/2010	12/917,191			
1615/4	United States	Registered/Issued	SYSTEMS, METHODS, AND COMPUTER PROGRAM PRODUCTS FOR SUPPORTING MULTIPLE APPLICATIONS AND MULTIPLE INSTANCES OF THE SAME APPLICATION ON A WIRELESS SMART DEVICE	12/19/2006	11/641,557	12/15/2009	7,631,810	1,199,026
1615/4 EP	European Patent	Pending	SYSTEMS, METHODS, AND COMPUTER PROGRAM PRODUCTS FOR SUPPORTING MULTIPLE APPLICATIONS AND MULTIPLE INSTANCES OF THE SAME APPLICATION ON A WIRELESS SMART DEVICE	12/19/2007	07150164.7			
1615/4 TW	Taiwan	Pending	SYSTEMS, METHODS, AND COMPUTER PROGRAM PRODUCTS FOR SUPPORTING MULTIPLE APPLICATIONS AND MULTIPLE INSTANCES OF THE SAME APPLICATION ON A WIRELESS SMART DEVICE	12/14/2007	96147874			
1615/44 PCT	PCT	Published	METHODS, SYSTEMS, AND COMPUTER READABLE MEDIA FOR TRACKING REDEEMED ELECTRONIC CERTIFICATE AND CONSUMER DATA ASSOCIATED WITH A MOBILE DEVICE	3/22/2011	PCT/US2011/029457			
1615/44/2	United States	Pending	METHODS, SYSTEMS, AND COMPUTER READABLE MEDIA FOR TRACKING REDEEMED ELECTRONIC CERTIFICATE AND CONSUMER DATA ASSOCIATED WITH A MOBILE DEVICE	3/22/2011	13/069,322			
1615/45 DES	United States	Registered/Issued	GRAPHICAL USER INTERFACE FOR A DISPLAY SCREEN OR PORTION THEREOF	4/13/2010	29/359,637	9/27/2011	D645,871	9,271,025
1615/45 DES/EP	European Patent	Registered/Issued	GRAPHICAL USER INTERFACE FOR A DISPLAY SCREEN OR PORTION THEREOF	10/13/2010	001767542	1/12/2011	001767542-0001 to 0004	
1615/45/2 DES/DIV	United States	Registered/Issued	GRAPHICAL USER INTERFACE FOR A DISPLAY SCREEN OR PORTION THEREOF	8/31/2011	29/400,736	3/20/2012	D656,157	8,317,025
1615/45/3 DES/DIV	United States	Pending	DISPLAY SCREEN WITH GRAPHICAL USER INTERFACE	3/19/2012	29/416,146			
1615/46 PCT	PCT	Pending	METHODOLOGY TO ALLOW NON-TRUSTED PARTIES TO ESTABLISH A CHANNEL FOR DISTRIBUTION AND REDEMPTION OF A COUPONS, LOYALTY AND OTHER DATA TYPES IN THE NFC HANDHELD DEVICE WITHOUT HAVING TO KNOW THE KEYS IN THE SECURE ELEMENT	9/14/2011	PCT/US2011/051598			
1615/46/2	United States	Published	METHODS, SYSTEMS, AND COMPUTER READABLE MEDIA FOR SECURE NEAR FIELD COMMUNICATION OF A NON-SECURE MEMORY ELEMENT PAYLOAD	9/14/2011	13/232,736			
1615/47 PCT	PCT	Pending	SYSTEMS, METHODS, AND COMPUTER READABLE MEDIA FOR PERFORMING MULTIPLE TRANSACTIONS THROUGH A SINGLE NEAR FIELD COMMUNICATION (NFC) TAP	4/5/2011	PCT/US2011/031293			
1615/47/2	United States	Published	SYSTEMS, METHODS, AND COMPUTER READABLE MEDIA FOR PERFORMING MULTIPLE TRANSACTIONS THROUGH A SINGLE NEAR FIELD COMMUNICATION (NFC) TAP	4/5/2011	13/080,613			
1615/48 PCT	PCT	Pending	METHODS, SYSTEMS, AND COMPUTER READABLE MEDIA FOR REGISTERING IN A MERCHANT SPONSORED PROGRAM USING A NEAR FIELD COMMUNICATION (NFC) DEVICE	6/28/2011	PCT/US2011/042186			
1615/48/2	United States	Pending	METHODS, SYSTEMS, AND COMPUTER READABLE MEDIA FOR REGISTERING IN A MERCHANT SPONSORED PROGRAM USING A NEAR FIELD COMMUNICATION (NFC) DEVICE	6/28/2011	13/170,903			
1615/49 PCT	PCT	Pending	METHODS, SYSTEMS, AND COMPUTER READABLE MEDIA FOR FACILITATING IN-STORE OR NEAR-STORE ORDERING AND PAYMENT OF GOODS AND SERVICES THROUGH A SINGLE-TAP OF A NEAR FIELD COMMUNICATION (NFC) DEVICE	6/28/2011	PCT/US2011/042207			

1615/49/2	United States	Pending	METHODS, SYSTEMS, AND COMPUTER READABLE MEDIA FOR FACILITATING IN-STORE OR NEAR-STORE ORDERING AND PAYMENT OF GOODS AND SERVICES THROUGH A SINGLE-TAP OF A NEAR FIELD COMMUNICATION (NFC) DEVICE	6/28/2011	13/171,128		
1615/50/2	United States	Pending	SYSTEMS, METHODS, APPARATUSES, AND COMPUTER PROGRAM PRODUCTS FOR FACILITATING RESERVATION FOR A PARKING SPACE WITH A NEAR FIELD COMMUNICATION-ENABLED DEVICE	6/28/2011	13/171,136		
1615/51 PCT	PCT	Pending	METHODS, SYSTEMS AND COMPUTER READABLE MEDIA FOR PROVIDING ADVERTISEMENTS TO A MOBILE DEVICE	8/16/2011	PCT/US2011/047945		
1615/51/2	United States	Published	METHODS, SYSTEMS, AND COMPUTER READABLE MEDIA FOR PROVIDING AN ELECTRONIC ADVERTISEMENT TO A MOBILE DEVICE	8/16/2011	13/211,082		
1615/52 PCT	PCT	Published	METHODS, SYSTEMS, AND COMPUTER READABLE MEDIA FOR DETECTING CUSTOMER PRESENCE TO INITIATE THE ORDERING AND PURCHASE OF GOODS AND SERVICES	8/29/2011	PCT/US2011/049572		
1615/52/2	United States	Published	METHODS, SYSTEMS, AND COMPUTER READABLE MEDIA FOR DETECTING CUSTOMER PRESENCE TO INITIATE THE ORDERING AND PURCHASE OF GOODS AND SERVICES	8/29/2011	13/220,360		
1615/54/2	United States	Published	METHODS, SYSTEMS, AND COMPUTER READABLE MEDIA FOR PREPARING AND DELIVERING AN ORDERED PRODUCT UPON DETECTING A CUSTOMER PRESENCE	9/19/2011	13/236,243		
1615/55 PCT	PCT	Published	METHODS, SYSTEMS AND COMPUTER READABLE MEDIA FOR PROVISIONING LOCATION SPECIFIC CONTENT INFORMATION TO A MOBILE DEVICE	10/6/2011	PCT/US2011/055124		
1615/55/2	United States	Published	METHODS, SYSTEMS AND COMPUTER READABLE MEDIA FOR PROVISIONING LOCATION SPECIFIC CONTENT INFORMATION TO A MOBILE DEVICE	10/6/2011	13/267,591		
1615/56/2	United States	Published	METHODS, SYSTEMS AND COMPUTER READABLE MEDIA FOR ISSUING AND REDEEMING CO-BRANDED ELECTRONIC CERTIFICATES	9/30/2011	13/250,400		
1615/58/2	United States	Published	SYSTEMS, METHODS, AND COMPUTER READABLE MEDIA FOR UTILIZING ONE OR MORE PREFERRED APPLICATION LISTS IN A WIRELESS DEVICE READER	10/27/2011	13/283,521		
1615/6/2	United States	Pending	METHODS, SYSTEMS AND COMPUTER PROGRAM PRODUCTS FOR WIRELESS PAYMENT TRANSACTIONS	12/19/2006	11/641,556		
1615/60/2	United States	Published	METHODS, SYSTEMS, AND COMPUTER READABLE MEDIA FOR DESIGNATING A SECURITY LEVEL FOR A COMMUNICATIONS LINK BETWEEN WIRELESS DEVICES	12/20/2011	13/332,247		
1615/63 PROV	United States	Pending	SYSTEMS AND METHODS FOR PROVISIONING AN AGGREGATED SOFT CARD ON A WIRELESS MOBILE DEVICE	11/3/2011	61/555,279		
1615/64 PROV	United States	Pending	A SYSTEM FOR ENABLING A DOWNLOADABLE SERVICE IN A MOBILE DEVICE TO ACCESS HARDWARE COMPONENTS RESIDING IN THE MOBILE DEVICE	10/26/2011	61/551,790		
1615/65	United States	Allowed	COLLABORATIVE NEGOTIATION TECHNIQUES FOR MOBILE PERSONAL TRUSTED DEVICE FINANCIAL TRANSACTIONS	10/7/2008	12/287,283		
1615/66 PROV	United States	Pending	SYSTEMS, METHODS, AND COMPUTER READABLE MEDIUM FOR CONDUCTING WIRELESS TRANSACTIONS AT AN ELECTRONIC TRANSACTION TERMINAL	3/9/2012	61/609,048		
1615/71 PROV	United States	Pending	CLOUD BASED PAYMENT SOLUTION FOR CARD ISSUERS	4/13/2012	61/624,127		
216/2 UTIL	United States	Pending	METHODS, SYSTEMS, AND COMPUTER READABLE STORAGE MEDIA FOR MANAGING RISK USING LOCATION-BASED IDENTITY VERIFICATION	5/21/2012	13/476,371		
	United States	Registered/Issued	Collaborative interaction between mobile personal trusted device and a reader of financial transactions.	5/24/2005	11/137,682	39868	7494055
	United States	Registered/Issued	Cloud based payment and micropayment financial transaction process.	12/18/2002	10/323,593	39014	7127236