

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY AGREEMENT
CONVEYING PARTY DATA	
Name	Execution Date
vantiv, LLC	05/15/2013
RECEIVING PARTY DATA	
Name:	JPMorgan Chase Bank, N.A.
Street Address:	500 Stanton Christiana Rd. Ops 2
City:	Newark
State/Country:	DELAWARE
Postal Code:	19713
PROPERTY NUMBERS Total: 10	
Property Type	Number
Patent Number:	7747462
Patent Number:	6996542
Patent Number:	5956700
Patent Number:	5649117
Application Number:	13117599
Application Number:	13599538
Application Number:	13653443
Application Number:	13804611
Application Number:	61790693
Application Number:	13858428
CORRESPONDENCE DATA	
Fax Number:	3026365454
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	202-408-3121 x2348
Email:	tqualls@cscinfo.com

CH \$400.00 7747462

Correspondent Name: Corporation Service Company  
Address Line 1: 1090 Vermont Avenue NW, Suite 430  
Address Line 4: Washington, DISTRICT OF COLUMBIA 20005

ATTORNEY DOCKET NUMBER: 668194 (2)

NAME OF SUBMITTER: Jean Paterson

Signature: /jep/

Date: 05/30/2013

Total Attachments: 6  
source=5-30-13 vantiv LLC-PT#page1.tif  
source=5-30-13 vantiv LLC-PT#page2.tif  
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source=5-30-13 vantiv LLC-PT#page4.tif  
source=5-30-13 vantiv LLC-PT#page5.tif  
source=5-30-13 vantiv LLC-PT#page6.tif

### RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies)**

vantiv, LLC

Additional name(s) of conveying party(ies) attached?  Yes  No

**2. Name and address of receiving party(ies)**

Name: JPMorgan Chase Bank, N.A.

Internal Address: \_\_\_\_\_

Street Address: 500 Stanton Christiana Rd Ops 2

City: Newark

State: Delaware

Country: USA Zip: 19713

Additional name(s) & address(es) attached?  Yes  No

**3. Nature of conveyance/Execution Date(s):**

Execution Date(s) May 15, 2013

- Assignment  Merger  
 Security Agreement  Change of Name  
 Joint Research Agreement  
 Government Interest Assignment  
 Executive Order 9424, Confirmatory License  
 Other \_\_\_\_\_

**4. Application or patent number(s):**

This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

See attached

See attached

Additional numbers attached?  Yes  No

**5. Name and address to whom correspondence concerning document should be mailed:**

Name: Corporation Service Company

Internal Address: Suite 210

Street Address: 1180 Avenue of the Americas

City: New York

State: NY Zip: 10036

Phone Number: 212-299-5600

Fax Number: 212-299-5656

Email Address: Order#

**6. Total number of applications and patents involved:** 10

7. Total fee (37 CFR 1.21(h) & 3.41) \$ \_\_\_\_\_

- Authorized to be charged to deposit account  
 Enclosed  
 None required (government interest not affecting title)

**8. Payment Information**

Deposit Account Number \_\_\_\_\_

Authorized User Name \_\_\_\_\_

**9. Signature:**

Charlotte Bennett  
Signature

5/30/13  
Date

Charlotte Bennett  
Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

6

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

Title	Reg. No./ App. No.
METHOD AND SYSTEM FOR GATHERING AND REPORTING DATA ASSOCIATED WITH A CARDHOLDER'S USE OF A PREPAID DEBIT CARD	7747462
SYSTEM AND METHOD FOR PAYING BILLS AND OTHER OBLIGATIONS INCLUDING SELECTIVE PAYOR AND PAYEE CONTROLS	6996542
SYSTEM AND METHOD FOR PAYING BILLS AND OTHER OBLIGATIONS INCLUDING SELECTIVE PAYOR AND PAYEE CONTROLS	5956700
SYSTEM AND METHOD FOR PAYING BILLS AND OTHER OBLIGATIONS INCLUDING SELECTIVE PAYOR AND PAYEE CONTROLS	5649117
TOKENIZING SENSITIVE DATA	13/117,599
SYSTEMS, METHODS AND APPARATUS FOR PAYMENT PROCESSING	13/599,538
SYSTEMS, METHODS AND APPARATUS FOR VARIABLE SETTLEMENT ACCOUNTS	13/653,443
SYSTEMS, METHODS AND APPARATUS FOR AUTOMATED TRANSACTION MACHINE DIAGNOSTICS	13/804,611
SYSTEMS, METHODS AND APPARATUS FOR PAYMENT TERMINAL MANAGEMENT	61/790,693
SYSTEMS AND METHODS FOR PERFORMING FUNDS FREEZE AND/OR FUNDS SEIZURE WITH RESPECT TO PREPAID PAYMENT CARDS	13/858,428

**Patent Collateral Agreement**

This May 15, 2013, VANTIV, LLC (“*Debtor*”) with its principal place of business and mailing address at 8500 Governors Hill Drive, Symmes Township, OH 45249, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, assigns, mortgages and pledges as collateral security to JPMORGAN CHASE BANK, N.A., a national banking association (the “*Agent*”), with its mailing address at 500 Stanton Christiana Rd Ops 2, Newark, DE 19713, acting as collateral agent hereunder for the Secured Parties as defined in the Security Agreement referred to below, and its successors and assigns, and grants to the Agent for the benefit of the Secured Parties a first priority lien on and security interest in, and acknowledges and agrees that the Agent has and shall continue to have until the Termination Date for the benefit of the Secured Parties a continuing first priority lien on and security interest in, and right of set-off against, all right, title, and interest of such Debtor, whether now owned or existing or hereafter created, acquired or arising, in and to all of the following:

(i) Each patent and patent application owned by the Debtor and all of the inventions described and claimed therein and any and all reissues, continuations, continuations-in-part or extensions thereof, including those listed on Schedule A hereto; and

(ii) All proceeds of the foregoing, including without limitation any claim by Debtor against third parties for damages by reason of past, present or future infringement of any patent or patent application listed on Schedule A hereto, in each case together with the right to sue for and collect said damages;

to secure the prompt and complete payment and performance of all Secured Obligations of Debtor as set out in that certain Security Agreement bearing even date herewith among Debtor, Agent and the other debtors party thereto, as the same may be amended, restated, amended and restated or otherwise modified from time to time (the “*Security Agreement*”). All capitalized terms used herein without definition have the meanings given to such terms in the Security Agreement.

Debtor does hereby further acknowledge and affirm that the rights and remedies of the Agent with respect to the assignment, mortgage, pledge and security interest in the patents and patent applications made and granted hereby are more fully set forth in the Security Agreement, the terms and provisions of which are incorporated herein by reference as if fully set forth herein. In the event of any conflict between the terms of this Patent Collateral Agreement and the terms of the Security Agreement, the terms of the Security Agreement shall govern.

THIS PATENT COLLATERAL AGREEMENT AND THE RIGHTS AND OBLIGATIONS OF THE PARTIES HEREUNDER SHALL BE GOVERNED BY, AND CONSTRUED BY AND INTERPRETED IN ACCORDANCE WITH, THE LAW OF THE STATE OF NEW YORK.

[SIGNATURE PAGE TO FOLLOW]

IN WITNESS WHEREOF, Debtor has caused this Patent Collateral Agreement to be duly executed as of the date and year last above written.

VANTIV, LLC

By: 

Name: Mark Heimboach

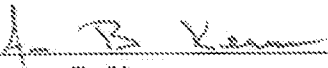
Title: Chief Financial Officer

[Signature Page to Patent Collateral Agreement]

**PATENT**  
**REEL: 030512 FRAME: 0592**

Accepted and agreed to as of the date and year last above written.

JPMORGAN CHASE BANK, N.A., a national banking  
association, as Agent

By:   
Name: Ann B. Kerns  
Title: Vice President

**SCHEDULE A  
TO PATENT COLLATERAL AGREEMENT**

**U.S. PATENT NUMBERS**

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