PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6018988

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|------------------------------|----------------|
| MERCURY PAYMENT SYSTEMS, LLC | 07/12/2017 |

RECEIVING PARTY DATA

| Name: | VANTIV, LLC | |
|-----------------|---------------------------|--|
| Street Address: | 8500 GOVERNORS HILL DRIVE | |
| City: | SYMMES TOWNSHIP | |
| State/Country: | OHIO | |
| Postal Code: | 45249 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number | |
|---------------------|----------|--|
| Application Number: | 16818539 | |

CORRESPONDENCE DATA

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Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

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| ATTORNEY DOCKET NUMBER: | 00134-0005-15000 |
|-------------------------|------------------|
| NAME OF SUBMITTER: | SANGWOO AHN |
| SIGNATURE: | /SANGWOO AHN/ |
| DATE SIGNED: | 03/17/2020 |

Total Attachments: 4

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PATENT 505972280 REEL: 052143 FRAME: 0718

ASSIGNMENT OF PATENT RIGHTS

For good and valuable consideration, the receipt of which is hereby acknowledged, Mercury Payment Systems, LLC, a Delaware corporation with an office at 10 Burnett Court, Suite 300, Durango, Colorado 81301 ("Assignors"), do hereby sell, assign, transfer, and convey unto Vantiv, LLC, a Delaware corporation with an address at 8500 Governors Hill Drive, Cincinnati, Ohio 45249 ("Assignee"), all right, title, and interest that exist today and may exist in the future in and to any and all of the following (collectively, the "Patent Rights"):

- 1. All patent applications and patents listed in <u>Exhibit 1</u> (the "*Patents*") attached hereto, which <u>Exhibit 1</u> is hereby incorporated by reference into this agreement in its entirety;
- All provisionals, continuations, divisionals, continuations-in-part, reissues, reexaminations, extensions, substitute applications, continuing prosecution applications, requests for continuing examinations, utility models, design patents, invention certificates, and registrations of the Patents, and all patents and patent applications to which any of the Patents directly or indirectly claim priority, and all patents and patent applications for which any of the Patents directly or indirectly forms a basis for priority; and
- 3. All foreign patents, patent applications, and counterparts relating to the Patents.

Assignors hereby authorize the respective patent office or governmental agency in each jurisdiction to issue any and all patents, certificates of invention, utility models or other governmental grants or issuances that may be granted upon any of the Patent Rights in the name of Assignee, as the assignee to the entire interest therein.

Assignors will, at the request and expense of Assignee, do all things reasonably necessary, proper, or advisable, including without limitation, the execution, delivery, acknowledgment, and recordation of specific assignments, oaths, declarations, and other documents, to assist Assignee in obtaining and perfecting the Patent Rights.

Assignors further assign to Assignee all rights to collect royalties or other payments under or on account of the Patents as well as all causes of action (whether known or unknown) and other enforcement rights based on, under or on account of the Patents, including, without limitation, all causes of action and other enforcement rights for damages, injunctive relief, and any other remedies of any kind for past, current and future infringement of such Patents. Assignee shall have with no obligation to account to Assignors in relation to any such royalties, payments, damages or other remedies.

The terms and conditions of this Assignment of Patent Rights will inure to the benefit of Assignee, its successors, assigns, and other legal representatives and will be binding upon Assignors, their respective successors, assigns, and other legal representatives.

[Signature Pages Follow]

PATENT REEL: 052043 FRAME: 0209 IN TESTIMONY WHEREOF, Assignor has hereunto set his hand on this 12 day of 15 day of 2016, 2017

ASSIGNOR:

MERCURY PAYMENT SYSTEMS, LLC

By:

Name: _____

itle:

PATENT 52667 FRAME: (

REEL: 052043 FRAME: 0220

IN TESTIMONY WHEREOF, Assignor has hereunto set his hand on this 12th day of July , 2016. 2017

ASSIGNEE: VANTIV, LLC.

By:

Name:

thref ZP Counce

PATENT REEL: 052043 FRAME: 0223

EXHIBIT 1

| PATENT NO. or SERIAL NO. | COUNTRY | ISSUE DATE And/or FILING DATE | PATENT TITLE and INVENTOR(S) |
|-----------------------------|---------|-------------------------------------|--|
| 13/743,283 | U.S. | Filed 1/16/2013 | SYSTEMS AND METHODS FOR DISTRIBUTED ENHANCED PAYMENT PROCESSING |
| | | | Inventors: Matthew D. Ozvat, Michelle K. Plomske, Charles E. Watts, Robert Bonestell, Daniel Ourada, and Kevin Oliver |
| | PCT | Filed 1/16/2014 | SYSTEMS AND METHODS FOR DISTRIBUTED ENHANCED PAYMENT PROCESSING |
| | | | Inventors: Matthew D. Ozvat, Michelle K. Plomske, Charles E. Watts, Robert Bonestell, Daniel Ourada, and Kevin Oliver |
| 13/957,424 U. | U.S. | Filed 8/1/2013 | SYSTEMS AND METHODS FOR ARBITRAGED ENHANCED PAYMENT PROCESSING |
| | | | Inventors: Matthew D. Ozvat, Nicholas G. Nayfack, John Berkley, Travis L. Priest, Michelle K. Plomske, Charles E. Watts, Robert Bonestell, Daniel Ourada, and Kevin Oliver |
| PCT/US2014/049312 | PCT | Filed 7/30/2013 | SYSTEMS AND METHODS FOR ARBITRAGED ENHANCED PAYMENT PROCESSING |
| | | | Inventors: Matthew D. Ozvat, Nicholas G. Nayfack, John Berkley, Travis L. Priest, Michelle K. Plomske, Charles E. Watts, Robert Bonestell, Daniel Ourada, and Kevin Oliver |
| 14/046,912 | U.S. | Filed 10/4/2013 | SYSTEMS AND METHODS FOR PAYMENT MANAGEMENT FOR SUPPORTING MOBILE PAYMENTS |
| | | | Inventors: Travis Lee Priest, Daniel J. Ourada, Matthew D. Ozvat, Daniel J. Murphy, Nicholas G. Nayfack, and Charles E. Watts |
| 14/327,455 | U.S. | Filed 7/9/2014 | SYSTEMS AND METHODS FOR PAYMENT PROCESSING ON PLATFORMS |
| | | | Inventors: Robert Bonestell, Kevin Oliver, Matthew D. Ozvat, Andrew Harris, and Daniel Ourada |
| 14/470,895 | U.S. | Filed 8/27/2014 | SYSTEMS AND METHODS FOR SECURE NORMATIVE INTERMEDIATION OF PAYMENTS PROCESSING PERIPHERALS |
| | | | Inventors: Matthew D. Ozvat, John Berkley, Zachary A. Kurka, and Lisa C. Killigrew |

RECORDED: 03/14/2020

PATENT REEL: 052043 FRAME: 0722