504850767 04/03/2018

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
THOMAS E. RAFFERTY	10/30/2012
BRYAN T. BAILEY	10/31/2012

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:	15944194

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	00134-0007-02000	
NAME OF SUBMITTER:	PABLO HUERTA	
SIGNATURE:	/Pablo Huerta/	
DATE SIGNED:	04/03/2018	

Total Attachments: 2

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> PATENT REEL: 045426 FRAME: 0708

ASSIGNMENT

WHEREAS, WE, Thomas E. Rafferty, a citizen of the United States, residing in Cincinnati, Ohio, and Bryan T. Bailey, a citizen of the United States, residing in Florence, Kentucky (hereinafter referred to as "ASSIGNORS"), have invented SYSTEMS, METHODS AND APPARATUS FOR VARIABLE SETTLEMENT ACCOUNTS, for which an application for Letters Patent of the United States was filed on October 17, 2012 with an application number of 13/653,443; and

WHEREAS, VANTIV, LLC, whose mailing address is 8500 Governors Hill Drive, Cincinnati, Ohio 45249, a limited liability company duly organized and existing under the laws of Delaware (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring the entire interest therein.

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, We, said ASSIGNORS, hereby sell, assign, and transfer and set over, unto said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title and interest in, to and under said invention, and said United States application and all divisions, renewals, and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues. reexaminations and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals, reexaminations and reissues thereof,

ASSIGNORS HEREBY authorize and request the Director of the United States Patent and Trademark Office, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

ASSIGNORS HEREBY grant the firm of ULMER & BERNE LLP the power to insert in this Assignment any further identification or information which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

ASSIGNORS HEREBY covenants and agrees that they have full right to convey the entire interest herein assigned, and that they has not executed, and will not execute, any agreement in conflict herewith.

ASSIGNORS HEREBY further covenant and agree that they will communicate to said ASSIGNEE, its successors, legal representatives and assigns, any facts known to them respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue, reexamination and foreign applications, make all rightful oaths, and

generally do everything possible to aid said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

Dated: 10 (30/2012 Thoma	M A S E Raffeyty
STATE OF Chib ss	
	Public DAVID L. HENROW, 10 10 10 10 10 10 10 10 10 10 10 10 10
Dated: /0/31/2012 Bryan	T. Bailey
STATE OF Ohio COUNTY OF Hamilton Sworn to and subscribed before me this 31st	lay of October_, 2012.
Pat	Public PATRICIA E MARCONI

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FEBRUARY 14TH, 2016