

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5680697

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	ALLEGACY SERVICES, LLC	08/12/2019
RECEIVING PARTY DATA		
Name:	ADVANCED FRAUD SOLUTIONS, LLC	
Street Address:	4100 MENDENHALL OAKS PARKWAY	
Internal Address:	SUITE 130	
City:	GREENSBORO	
State/Country:	NORTH CAROLINA	
Postal Code:	27265	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Patent Number:	8036967
CORRESPONDENCE DATA		
Fax Number:	(412)325-3324	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>		
Phone:	4123251115	
Email:	IP@spilmanlaw.com	
Correspondent Name:	SPILMAN THOMAS & BATTLE, PLLC	
Address Line 1:	301 GRANT STREET	
Address Line 2:	ONE OXFORD CENTRE SUITE 3440	
Address Line 4:	PITTSBURGH, PENNSYLVANIA 15219	
ATTORNEY DOCKET NUMBER:	024939.0001	
NAME OF SUBMITTER:	WILLIAM P. SMITH	
SIGNATURE:	/William P. Smith/	
DATE SIGNED:	08/22/2019	
Total Attachments: 2		
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PATENT ASSIGNMENT AGREEMENT

This PATENT ASSIGNMENT ("Assignment") is entered into effective as of June 14, 2019 ("Effective Date"), by and between ALLEGACY SERVICES, LLC, a North Carolina limited liability company, having its principal place of business at 1691 Westbrook Plaza Drive, Winston-Salem, NC 27103 (hereinafter referred to as "Assignor") and ADVANCED FRAUD SOLUTIONS, LLC a North Carolina limited liability company having an address of 4100 Mendenhall Oaks Parkway, Suite 130, Greensboro, NC 27265 (hereinafter referred to as "Assignee").

WHEREAS, Assignor is owner of undivided rights, title, and interests in and to inventions described in patent titled "BANK CARD FRAUD DETECTION AND/OR PREVENTION METHODS", namely, U.S. Patent No. 8,036,967, issued October 11, 2011, to Dean H. ADAMS ("the '967 Patent"), by virtue of assignment of even date from ALLEGACY FEDERAL CREDIT UNION; and

WHEREAS, Assignee is desirous of acquiring an assignment of all of Assignor's rights, title, and interests in and to the '967 patent and the inventions disclosed therein for its business services and products, namely fraud mitigation tools for financial institutions;

NOW THEREFORE, be it known that for \$1.00, paid to Assignor and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignor does hereby assign, convey and transfer unto Assignee, its lawful successors and assigns, all of Assignor's current and any future rights, title, and interests in, to and under the above-referenced patent and any patent applications or patents related thereto or to be obtained for the inventions, including the right to sue for past infringement.

Furthermore, Assignor hereby represents and warrants that Assignor is in possession of and has the unfettered right to convey by this Assignment the full rights, title, and interest in, to and under the '967 Patent and the inventions disclosed therein; Assignor has not executed and will not execute any assignment or other legal document in conflict with this Assignment; and

Finally, Assignor and Johnson hereby covenant and agree that they will, without further consideration, communicate with Assignee, its successors and assigns, any facts known or that become known to them respecting the inventions, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that might be necessary or desirable to perfect the assignment of the rights, title and interests under this Assignment, execute all

reissue or reexamination applications, make all oaths and inventor declarations, and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce patent protection for the inventions disclosed in the '967 Patent and otherwise to enjoy the full benefit of the assignment made herein, it being understood that any expense incident thereto shall be borne by Assignee, its successors and assigns.

IN WITNESS WHEREOF, the Assignor has hereunto set his or her hand and seal:

ALLEGACY SERVICES, LLC

By its President and Chief Executive Officer:

Cathy J. Pace (SEAL)
Cathy J. Pace

Date: 8/12/19

State of North Carolina

County of Forsyth

United States of America

On this 12th day of August, 2019,

I certify that the following person appeared before me and acknowledged to me that he or she voluntarily signed the foregoing document for the purpose stated therein and in the capacity indicated:

Cathy J. Pace
(person appearing before notary)

Notary Signature: Cathy L. Wendt

Printed Name: Cathy L. Wendt

My Commission Expires: 11/20/2023

(Notary Seal)

