

## TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

Assignment ID: TMI35887

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT		
<b>NATURE OF CONVEYANCE:</b>	SECURITY INTEREST		
<b>CONVEYING PARTY DATA</b>			
<b>Name</b>	<b>Formerly</b>	<b>Execution Date</b>	<b>Entity Type</b>
Valutec Card Solutions, LLC		01/31/2024	Limited Liability Company: DELAWARE
<b>RECEIVING PARTY DATA</b>			
<b>Company Name:</b>	Wilmington Trust, National Association, as Notes Collateral Agent		
<b>Street Address:</b>	50 South Sixth Street		
<b>Internal Address:</b>	Suite 1290		
<b>City:</b>	Minneapolis		
<b>State/Country:</b>	MINNESOTA		
<b>Postal Code:</b>	55402		
<b>Entity Type:</b>	National Banking Association: MINNESOTA		
<b>PROPERTY NUMBERS Total: 3</b>			
<b>Property Type</b>	<b>Number</b>	<b>Word Mark</b>	
<b>Serial Number:</b>	78318502	JUMPSTART	
<b>Serial Number:</b>	78318507	LAUNCHBOX	
<b>Serial Number:</b>	78318494	VALUTEC	
<b>CORRESPONDENCE DATA</b>			
<b>Fax Number:</b>	2127514864		
<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>			
<b>Phone:</b>	2129061200		
<b>Email:</b>	angela.amaru@lw.com		
<b>Correspondent Name:</b>	Angela M Amaru		
<b>Address Line 1:</b>	1271 Avenue of the Americas		
<b>Address Line 4:</b>	New York, NEW YORK 10020		
<b>ATTORNEY DOCKET NUMBER:</b>	049067-0518		
<b>NAME OF SUBMITTER:</b>	Angela Amaru		
<b>SIGNATURE:</b>	Angela Amaru		
<b>DATE SIGNED:</b>	02/19/2024		
<b>Total Attachments: 68</b>			
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**INTELLECTUAL PROPERTY SECURITY AGREEMENT**

This **INTELLECTUAL PROPERTY SECURITY AGREEMENT** (as amended, amended and restated, supplemented or otherwise modified from time to time, the “IP Security Agreement”) dated as of January 31, 2024, is among the Persons listed on the signature pages hereof (each, a “Grantor” and, collectively, the “Grantors”) and Wilmington Trust, National Association, as Notes Collateral Agent (in such capacity, together with any successor Notes Collateral Agent, the “Notes Collateral Agent”) for the Notes Secured Parties (as defined in the Indenture referred to below).

WHEREAS, on October 4, 2023, Boost Newco Borrower, LLC, a Delaware limited liability company (the “Company”), GTCR W Dutch Finance Sub B.V., the Guarantors (as defined therein) party thereto from time to time, Wilmington Trust, National Association, a national banking association, in its capacities as Trustee, Dollar Paying Agent, Dollar Registrar, Dollar Transfer Agent and Notes Collateral Agent and Deutsche Bank Trust Company Americas as Sterling Paying Agent, Sterling Registrar and Sterling Transfer Agent have entered into the Indenture, dated as of October 4, 2023 (as amended, amended and restated, supplemented or otherwise modified from time to time, the “Indenture”). Capitalized terms defined in the Indenture or in the Security Agreement (as defined below) and not otherwise defined herein are used herein as defined in the Indenture or the Security Agreement, as the case may be (and in the event of a conflict, the applicable definition shall be the one given to such term in the Security Agreement);

WHEREAS, pursuant to the Indenture, each Grantor has executed and delivered that certain Security Agreement dated as of January 31, 2024 (as amended, amended and restated, supplemented or otherwise modified from time to time, the “Security Agreement”), among the Grantors, the other grantors from time to time party thereto and the Notes Collateral Agent; and

WHEREAS, under the terms of the Security Agreement, the Grantors have granted to the Notes Collateral Agent, for the benefit of the Notes Secured Parties, a security interest in, among other property, certain intellectual property of the Grantors, and have agreed thereunder to execute this IP Security Agreement for recording with the USPTO and/or the USCO, as applicable;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each Grantor agrees as follows:

Section 1. Grant of Security. Each Grantor hereby pledges to the Notes Collateral Agent (and its successors and permitted assigns), for the benefit of the Notes Secured Parties, and each Grantor hereby grants to the Notes Collateral Agent (and its successors and permitted assigns), for the benefit of the Notes Secured Parties, a security interest in and continuing lien on all of such Grantor’s right, title and interest in and to the following, whether now owned or hereafter acquired or created by the undersigned (the “Collateral”):

(i) all Patents, including the patents and patent applications set forth in Schedule A hereto;

(ii) all Trademarks, including the trademark and service mark registrations and applications set forth in Schedule B hereto, together with the goodwill of the business connected with the use thereof and symbolized thereby;

(iii) all Copyrights and exclusive, inbound licenses of Copyrights, whether registered or unregistered, including, without limitation, the copyright registrations and applications set forth in Schedule C hereto;

(iv) all reissues, divisions, continuations, continuations-in-part, extensions, renewals and reexaminations of any of the foregoing, all rights in the foregoing provided by international treaties or conventions, all rights corresponding thereto throughout the world and all other rights of any kind whatsoever of such Grantor accruing thereunder or pertaining thereto;

(v) any and all claims for damages and injunctive relief for past, present and future infringement, dilution, misappropriation, violation, misuse or breach with respect to any of the foregoing, with the right, but not the obligation, to sue for and collect such damages, or otherwise recover with respect to such claims; and

(vi) any and all proceeds of, collateral for, income, royalties and other payments now or hereafter due and payable with respect to, and Supporting Obligations relating to, any and all of the foregoing or arising from any of the foregoing;

provided that notwithstanding anything to the contrary contained in the foregoing clauses (i) through (vi), the security interest created hereby shall not extend to, and the term "Collateral" shall not include, any Excluded Assets, including, for clarity, any United States intent-to-use trademark or service mark applications prior to the filing and acceptance of a "Statement of Use" pursuant to Section 1(d) of the Lanham Act or an "Amendment to Allege Use" pursuant to Section 1(c) of the Lanham Act with respect thereto, to the extent, if any, that, and solely during the period, if any, in which, the grant of a security interest therein would impair the validity or enforceability of any registration that issues from such intent-to-use application under applicable federal law.

Section 2. Security for Obligations. The grant of a security interest in the Collateral by each Grantor under this IP Security Agreement secures the payment of all Secured Obligations of such Grantor. Without limiting the generality of the foregoing, this IP Security Agreement secures, as to each Grantor, the payment of all amounts that constitute part of the Secured Obligations that would be owed by such Grantor to any Notes Secured Party under the Secured Documents but for the fact that they are unenforceable or not allowable due to the existence of a bankruptcy, or reorganization or similar proceeding involving a Grantor.

Section 3. Recordation. Each Grantor authorizes and requests that the Register of Copyrights, the Commissioner for Patents and the Commissioner for Trademarks, as applicable, record this IP Security Agreement.

Section 4. Execution in Counterparts. This IP Security Agreement may be executed in any number of counterparts, each of which when so executed shall be deemed to be an original and all of which taken together shall constitute one and the same agreement.

Section 5. Grants, Rights and Remedies. This IP Security Agreement has been entered into in conjunction with the provisions of the Security Agreement. Each Grantor does hereby acknowledge and confirm that the grant of the security interest hereunder to, and the rights and remedies of, the Notes Collateral Agent with respect to the Collateral are more fully set forth in the Security Agreement. In the event of any conflict between the terms of this IP Security Agreement and the terms of the Security Agreement, the terms of the Security Agreement shall govern.

Section 6. Governing Law; Jurisdiction; Etc.

(a) THIS IP SECURITY AGREEMENT SHALL BE GOVERNED BY, AND CONSTRUED IN ACCORDANCE WITH, THE LAW OF THE STATE OF NEW YORK

WITHOUT GIVING EFFECT TO THE CONFLICTS OF LAWS PRINCIPLES THEREOF, BUT INCLUDING SECTION 5-1401 OF THE NEW YORK GENERAL OBLIGATIONS LAW.

(b) EACH PARTY HERETO IRREVOCABLY AND UNCONDITIONALLY SUBMITS, FOR ITSELF AND ITS PROPERTY, TO THE EXCLUSIVE JURISDICTION OF THE COURTS OF THE STATE OF NEW YORK SITTING IN NEW YORK CITY IN THE BOROUGH OF MANHATTAN AND OF THE UNITED STATES DISTRICT COURT FOR THE SOUTHERN DISTRICT OF NEW YORK SITTING IN THE BOROUGH OF MANHATTAN, AND ANY APPELLATE COURT FROM ANY THEREOF, IN ANY ACTION OR PROCEEDING ARISING OUT OF OR RELATING TO THIS IP SECURITY AGREEMENT, OR FOR RECOGNITION OR ENFORCEMENT OF ANY JUDGMENT, AND EACH OF THE PARTIES HERETO IRREVOCABLY AND UNCONDITIONALLY AGREES THAT ALL CLAIMS IN RESPECT OF ANY SUCH ACTION OR PROCEEDING MAY BE HEARD AND DETERMINED IN SUCH NEW YORK STATE COURT OR, TO THE FULLEST EXTENT PERMITTED BY APPLICABLE LAW, IN SUCH FEDERAL COURT. EACH OF THE PARTIES HERETO AGREES THAT A FINAL JUDGMENT IN ANY SUCH ACTION OR PROCEEDING SHALL BE CONCLUSIVE AND MAY BE ENFORCED IN OTHER JURISDICTIONS BY SUIT ON THE JUDGMENT OR IN ANY OTHER MANNER PROVIDED BY LAW. NOTHING IN THIS IP SECURITY AGREEMENT SHALL AFFECT ANY RIGHT THAT THE NOTES COLLATERAL AGENT, ANY HOLDER OR ANY OTHER NOTES SECURED PARTY MAY OTHERWISE HAVE TO BRING ANY ACTION OR PROCEEDING RELATING TO THIS IP SECURITY AGREEMENT OR THE RECOGNITION OR ENFORCEMENT OF ANY JUDGMENT AGAINST ANY GRANTOR OR ITS PROPERTIES IN THE COURTS OF ANY JURISDICTION.

(c) EACH PARTY HERETO IRREVOCABLY AND UNCONDITIONALLY WAIVES, TO THE FULLEST EXTENT PERMITTED BY APPLICABLE LAW, ANY OBJECTION THAT IT MAY NOW OR HEREAFTER HAVE TO THE LAYING OF VENUE OF ANY ACTION OR PROCEEDING ARISING OUT OF OR RELATING TO THIS IP SECURITY AGREEMENT IN ANY COURT REFERRED TO IN CLAUSE (b) OF THIS SECTION 6. EACH OF THE PARTIES HERETO HEREBY IRREVOCABLY WAIVES, TO THE FULLEST EXTENT PERMITTED BY APPLICABLE LAW, THE DEFENSE OF AN INCONVENIENT FORUM TO THE MAINTENANCE OF SUCH ACTION OR PROCEEDING IN ANY SUCH COURT.

(d) EACH PARTY HERETO IRREVOCABLY CONSENTS TO SERVICE OF PROCESS IN THE MANNER PROVIDED FOR NOTICES IN SECTION 13.1 OF THE INDENTURE. NOTHING IN THIS IP SECURITY AGREEMENT WILL AFFECT THE RIGHT OF ANY PARTY HERETO TO SERVE PROCESS IN ANY OTHER MANNER PERMITTED BY APPLICABLE LAW.

(e) EACH PARTY TO THIS IP SECURITY AGREEMENT HEREBY EXPRESSLY WAIVES ANY RIGHT TO TRIAL BY JURY OF ANY CLAIM, DEMAND, ACTION OR CAUSE OF ACTION ARISING UNDER THIS IP SECURITY AGREEMENT OR IN ANY WAY CONNECTED WITH OR RELATED OR INCIDENTAL TO THE DEALINGS OF THE PARTIES HERETO OR ANY OF THEM WITH RESPECT TO THIS IP SECURITY AGREEMENT, OR THE TRANSACTIONS RELATED THERETO, IN EACH CASE WHETHER NOW EXISTING OR HEREAFTER ARISING, AND WHETHER FOUNDED IN CONTRACT OR TORT OR OTHERWISE; AND EACH PARTY HEREBY AGREES AND CONSENTS THAT ANY SUCH CLAIM, DEMAND, ACTION OR CAUSE OF ACTION SHALL BE DECIDED BY COURT TRIAL WITHOUT A JURY, AND THAT ANY PARTY TO

THIS IP SECURITY AGREEMENT MAY FILE AN ORIGINAL COUNTERPART OR A COPY OF THIS SECTION 6(e) WITH ANY COURT AS WRITTEN EVIDENCE OF THE CONSENT OF THE SIGNATORIES HERETO TO THE WAIVER OF THEIR RIGHT TO TRIAL BY JURY.

Section 7. Concerning the Notes Collateral Agent. Wilmington Trust, National Association is entering into this IP Security Agreement not in its individual capacity, but solely in its capacity as Notes Collateral Agent under the Indenture. In acting hereunder, the Notes Collateral Agent shall be entitled to all of the rights, privileges, immunities and indemnities granted to the Notes Collateral Agent under the Indenture and the Security Agreement as if such rights, privileges, immunities and indemnities were set forth herein.

*[Remainder of page left intentionally blank]*

IN WITNESS WHEREOF, each Grantor and the Notes Collateral Agent have caused this IP Security Agreement to be duly executed and delivered by its officer thereunto duly authorized as of the date first written above.

WORLDPAY, LLC  
WORLDPAY ISO AND eCOMMERCE, LLC  
PAYMETRIC, LLC  
WORLDPAY INTEGRATED PAYMENTS  
SOLUTIONS LLC  
PAZIEN, LLC  
PAYRIX HOLDINGS LLC  
VALUTEC CARD SOLUTIONS, LLC  
LINK2GOV LLC  
WORLDPAY US, LLC

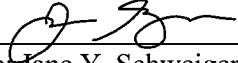
By: 

Name: Charles Keller

Title: Senior Vice President & Corporate Secretary



**WILMINGTON TRUST, NATIONAL  
ASSOCIATION**  
as Notes Collateral Agent

By:   
Name: Jane Y. Schweiger  
Title: Vice President

**PATENTS**

**SCHEDULE A**

<b>Current Assignee</b>	<b>Country Code</b>	<b>Application Number</b>	<b>Filing Date</b>	<b>Status</b>	<b>Title</b>	<b>Issue Date</b>	<b>Patent Number</b>
Worldpay, LLC	US	14/751,343	6/26/2015	Pending	AUTOMATIC CHARGEBACK MANAGEMENT		
Worldpay, LLC	US	15/333,931	10/25/2016	Pending	BROWSER PLUG-IN ENABLING USE OF EMV CARD INFORMATION		
Worldpay, LLC	US	14/732,921	6/8/2015	Issued	Closed-loop testing of integrated circuit card payment terminals	9/20/2016	9,449,320
Worldpay, LLC	US	15/236,867	8/15/2016	Issued	Closed-loop testing of integrated circuit card payment terminals	7/2/2019	10,339,513
Worldpay, LLC	US	16/409,171	5/10/2019	Issued	Closed-loop testing of integrated circuit card payment terminals	11/10/2020	10,832,232
Worldpay, LLC	US	17/039,646	9/30/2020	Issued	CLOSED-LOOP TESTING OF INTEGRATED CIRCUIT CARD PAYMENT TERMINALS	10/4/2022	11,461,755
Worldpay, LLC	US	17/895,791	8/25/2022	Pending	CLOSED-LOOP TESTING OF INTEGRATED CIRCUIT CARD PAYMENT TERMINALS		
Worldpay, LLC	US	17/955,685	9/29/2022	Pending	CLOUD-BASED CONFIGURABLE TRANSACTION MANAGEMENT CONTROLLER AND METHOD THEREOF		
Worldpay, LLC	US	14/976,384	12/21/2015	Issued	CLOUD-BASED CONFIGURABLE TRANSACTION MANAGEMENT CONTROLLER AND METHOD THEREOF	11/1/2022	11,488,128
Worldpay, LLC	US	16/818,604	3/13/2020	Issued	CLOUD-BASED CONFIGURABLE TRANSACTION	1/3/2023	11,544,690

Current Assignee	Country Code	Application Number	Filing Date	Status	Title	Issue Date	Patent Number
Worldpay, LLC	US	18/060,132	11/30/2022	Pending	CLOUD-BASED CONFIGURABLE TRANSACTION MANAGEMENT CONTROLLER AND METHOD THEREOF		
Worldpay, LLC	US	14/221,420	3/21/2014	Issued	COMBINATION PAYMENT CARD AND METHODS THEREOF	9/18/2018	10,078,833
Worldpay, LLC	US	14/221,792	3/21/2014	Issued	COMBINATION PAYMENT CARD AND METHODS THEREOF	10/9/2018	10,096,020
Worldpay, LLC	US	16/057,100	8/7/2018	Issued	COMBINATION PAYMENT CARD AND METHODS THEREOF	3/23/2021	10,956,898
Worldpay, LLC	US	16/123,508	9/6/2018	Issued	COMBINATION PAYMENT CARD AND METHODS THEREOF	3/30/2021	10,963,866
Worldpay, LLC	US	17/178,317	2/18/2021	Issued	COMBINATION PAYMENT CARD AND METHODS THEREOF	7/4/2023	11,694,186
Worldpay, LLC	US	17/182,519	2/23/2021	Issued	COMBINATION PAYMENT CARD AND METHODS THEREOF	3/22/2022	11,282,070
Worldpay, LLC	US	17/667,022	2/8/2022	Pending	COMBINATION PAYMENT CARD AND METHODS THEREOF		
Worldpay, LLC	US	18/320,294	05/19/2023	Pending	COMBINATION PAYMENT CARD AND METHODS THEREOF		
Worldpay, LLC	US	13/838,057	3/15/2013	Issued	CONDUCTING A TRANSACTION AT A MOBILE POS TERMINAL USING A DEFINED STRUCTURE	2/12/2019	10,204,331
Worldpay, LLC	US	16/230,126	12/21/2018	Issued	CONDUCTING A TRANSACTION AT A MOBILE POS TERMINAL USING A DEFINED STRUCTURE	1/28/2020	10,546,288

Current Assignee	Country Code	Application Number	Filing Date	Status	Title	Issue Date	Patent Number
Worldpay, LLC	US	16/718,876	12/18/2019	Issued	CONDUCTING A TRANSACTION AT A MOBILE POS TERMINAL USING A DEFINED STRUCTURE	1/18/2022	11,227,276
Worldpay, LLC	US	17/457,935	12/7/2021	Issued	CONDUCTING A TRANSACTION AT A MOBILE POS TERMINAL USING A DEFINED STRUCTURE	8/8/2023	11,720,877
Worldpay, LLC	US	18/337,539	06/20/2023	Pending	CONDUCTING A TRANSACTION AT A MOBILE POS TERMINAL USING A DEFINED STRUCTURE		
Worldpay, LLC	US	14/755,320	6/30/2015	Issued	CONFIGURABLE TRANSACTION MANAGEMENT CONTROLLER AND METHOD THEREOF	1/25/2022	11,232,448
Worldpay, LLC	US	15/827,608	11/30/2017	Issued	CONFIGURABLE TRANSACTION MANAGEMENT CONTROLLER AND METHOD THEREOF	7/28/2020	10,726,421
Worldpay, LLC	US	16/844,244	4/9/2020	Issued	CONFIGURABLE TRANSACTION MANAGEMENT CONTROLLER AND METHOD THEREOF	4/12/2022	11,301,854
Worldpay, LLC	US	17/643,922	12/13/2021	Pending	CONFIGURABLE TRANSACTION MANAGEMENT CONTROLLER AND METHOD THEREOF		
Worldpay, LLC	US	17/654,114	3/9/2022	Pending	CONFIGURABLE TRANSACTION MANAGEMENT CONTROLLER AND METHOD THEREOF		
Worldpay, LLC	US	12/061,080	4/2/2008	Issued	CUSTOMER REFUNDS BY A MERCHANT AGENT	11/18/2014	8,892,468
Worldpay, LLC	US	17/956,143	9/29/2022	Pending	DECENTRALIZED COMPUTER SYSTEMS AND METHODS FOR EFFICIENT TRANSACTION DISPUTE MANAGEMENT USING BLOCKCHAIN		
Worldpay, LLC	US	15/687,049	8/25/2017	Issued	DECENTRALIZED COMPUTER SYSTEMS AND METHODS FOR EFFICIENT TRANSACTION DISPUTE MANAGEMENT USING BLOCKCHAIN	3/8/2022	11,270,300
Worldpay, LLC	US	17/648,954	1/26/2022	Pending	DECENTRALIZED COMPUTER SYSTEMS AND METHODS FOR EFFICIENT TRANSACTION		

Current Assignee	Country Code	Application Number	Filing Date	Status	Title	Issue Date	Patent Number
					DISPUTE MANAGEMENT USING BLOCKCHAIN		
Worldpay, LLC	US	15/918,149	3/12/2018	Issued	DECENTRALIZED COMPUTER SYSTEMS AND METHODS FOR LOYALTY POINTS PAYMENTS USING DISTRIBUTED LEDGERS	4/26/2022	11,315,138
Worldpay, LLC	US	17/656,091	3/23/2022	Issued	DECENTRALIZED COMPUTER SYSTEMS AND METHODS FOR LOYALTY POINTS PAYMENTS USING DISTRIBUTED LEDGERS	10/24/2023	11,798,021
Worldpay, LLC	US	17/935,309	9/26/2022	Pending	DECENTRALIZED COMPUTER SYSTEMS AND METHODS FOR LOYALTY POINTS PAYMENTS USING DISTRIBUTED LEDGERS		
Worldpay, LLC	US	18/465,318	09/12/2022	Pending	DECENTRALIZED COMPUTER SYSTEMS AND METHODS FOR LOYALTY POINTS PAYMENTS USING DISTRIBUTED LEDGERS		
Worldpay, LLC	US	17/955,879	9/29/2022	Pending	DECENTRALIZED COMPUTER SYSTEMS AND METHODS FOR USING A DEBIT NETWORK AS AN INTERMEDIARY BETWEEN DISTRIBUTED LEDGERS		
Worldpay, LLC	US	15/891,177	2/7/2018	Issued	DECENTRALIZED COMPUTER SYSTEMS AND METHODS FOR USING A DEBIT NETWORK AS AN INTERMEDIARY BETWEEN DISTRIBUTED LEDGERS	6/29/2021	11,049,128
Worldpay, LLC	US	17/303,263	5/25/2021	Issued	DECENTRALIZED COMPUTER SYSTEMS AND METHODS FOR USING A DEBIT NETWORK AS AN INTERMEDIARY BETWEEN DISTRIBUTED LEDGERS	2/7/2023	11,574,333
Worldpay, LLC	US	18/148,053	12/29/2022	Pending	DECENTRALIZED COMPUTER SYSTEMS AND METHODS FOR USING A DEBIT NETWORK AS AN INTERMEDIARY BETWEEN DISTRIBUTED		

Current Assignee	Country Code	Application Number	Filing Date	Status	Title	Issue Date	Patent Number
					LEDGERS		
Worldpay, LLC	US	29789052	8/27/2021	Pending	Display Screen with Graphical User Interface		
Worldpay, LLC	US	29789053	8/27/2021	Pending	DISPLAY SCREEN WITH GRAPHICAL USER INTERFACE		
Worldpay, LLC	US	29789056	8/27/2021	Pending	Display Screen with Graphical User Interface		
Worldpay, LLC	US	29791088	12/29/2021	Issued	DISPLAY SCREEN WITH GRAPHICAL USER INTERFACE	10/17/2022	D101,823
						3	
Worldpay, LLC	US	14/974,031	12/18/2015	Issued	DYNAMICALLY CONFIGURABLE TRANSACTION MANAGEMENT CONTROLLER AND METHOD THEREOF	6/22/2021	11,042,872
Worldpay, LLC	US	14/990,938	1/8/2016	Issued	DYNAMICALLY CONFIGURABLE TRANSACTION MANAGEMENT CONTROLLER AND METHOD THEREOF	10/5/2021	11,138,603
Worldpay, LLC	US	17/446,227	8/27/2021	Issued	DYNAMICALLY CONFIGURABLE TRANSACTION MANAGEMENT CONTROLLER AND METHOD THEREOF	5/23/2023	11,657,395
Worldpay, LLC	US	18/302,203	04/18/2023	Pending	DYNAMICALLY CONFIGURABLE TRANSACTION MANAGEMENT CONTROLLER AND METHOD THEREOF		
Worldpay, LLC	US	14/991,309	1/8/2016	Issued	Enhanced payment transactions leveraging a pre-existing network	2/5/2019	10,198,740
Worldpay, LLC	US	14/547,349	11/19/2014	Pending	FLEXIBLE ENGINE FOR PROCESSING STORED VALUE PAYMENT VEHICLES		
Worldpay, LLC	US	16/843,495	4/8/2020	Pending	FLEXIBLE ENGINE FOR PROCESSING STORED		

Current Assignee	Country Code	Application Number	Filing Date	Status	Title	Issue Date	Patent Number
					VALUE PAYMENT VEHICLES		
Worldpay, LLC	US	17/955,993	9/29/2022	Pending	INTERACTIVE USER INTERFACE SYSTEMS AND METHODS FOR ANALYZING TRANSACTION ATTRIBUTES AND DISPUTE INFORMATION USING BLOCKCHAIN		
Worldpay, LLC	US	15/687,194	8/25/2017	Pending	INTERACTIVE USER INTERFACE SYSTEMS AND METHODS FOR ANALYZING TRANSACTION ATTRIBUTES AND DISPUTE INFORMATION USING BLOCKCHAIN		
Worldpay, LLC	US	15/367,944	12/2/2016	Issued	MATCHING ENGINES AND GRAPHICAL USER INTERFACES FOR PARTNER RECOMMENDATIONS AND LEAD SHARING	4/6/2021	10,970,763
Worldpay, LLC	US	17/193,585	3/5/2021	Issued	MATCHING ENGINES AND GRAPHICAL USER INTERFACES FOR PARTNER RECOMMENDATIONS AND LEAD SHARING	07/25/2023	11,710,161
Worldpay, LLC	US	18/330,022	06/06/2023	Pending	MATCHING ENGINES AND GRAPHICAL USER INTERFACES FOR PARTNER RECOMMENDATIONS AND LEAD SHARING		
Worldpay, LLC	US	14/609,542	1/30/2015	Issued	MERCHANT ISSUED PAYMENT VEHICLES LINKED TO PREEXISTING FINANCIAL ACCOUNTS	3/20/2018	9,922,371
Worldpay, LLC	US	15/891,611	2/8/2018	Issued	MERCHANT ISSUED PAYMENT VEHICLES LINKED TO PREEXISTING FINANCIAL ACCOUNTS	10/8/2019	10,438,283
Worldpay, LLC	US	16/552,563	8/27/2019	Issued	MERCHANT ISSUED PAYMENT VEHICLES LINKED TO PREEXISTING FINANCIAL ACCOUNTS	2/16/2021	10,922,750
Worldpay, LLC	US	17/149,177	1/14/2021	Issued	MERCHANT ISSUED PAYMENT VEHICLES LINKED TO PREEXISTING FINANCIAL ACCOUNTS	8/8/2023	11,720,957

Current Assignee	Country Code	Application Number	Filing Date	Status	Title	Issue Date	Patent Number
Worldpay, LLC	US	18/336,354	06/16/2022 3	Pending	MERCHANT ISSUED PAYMENT VEHICLES LINKED TO PREEXISTING FINANCIAL ACCOUNTS		
Worldpay, LLC	US	12/146,990	06/26/2008	Issued	METHOD AND SYSTEM FOR GATHERING AND REPORTING DATA ASSOCIATED WITH A CARDHOLDER'S USE OF A PREPAID DEBIT CARD	06/29/2010	7,747,462
Worldpay US, LLC <sup>1</sup>	US	14/808,383	7/24/2015	Issued	METHODS AND APPARATUS FOR UNIFIED INVENTORY AND FINANCIAL TRANSACTION MANAGEMENT	10/30/2018	10,115,095
Worldpay, LLC	US	16/156,101	10/10/2018	Issued	METHODS AND APPARATUS FOR UNIFIED INVENTORY AND FINANCIAL TRANSACTION MANAGEMENT	12/29/2020	10,878,393
Worldpay US, LLC <sup>2</sup>	US	17/101,899	11/23/2022 0	Issued	METHODS AND APPARATUS FOR UNIFIED INVENTORY AND FINANCIAL TRANSACTION MANAGEMENT	9/6/2022	11,436,583
Worldpay US, LLC <sup>3</sup>	US	17/872,586	7/25/2022	Issued	METHODS AND APPARATUS FOR UNIFIED INVENTORY AND FINANCIAL TRANSACTION MANAGEMENT	9/19/2023	11,763,283
Worldpay US, LLC <sup>4</sup>	US	18/366,878	08/08/2022 3	Pending	METHODS AND APPARATUS FOR UNIFIED INVENTORY AND FINANCIAL TRANSACTION MANAGEMENT		

<sup>1</sup> Grantor is an LLC. Conversion from a corp. to an LLC to be filed with the USPTO

<sup>2</sup> Grantor is an LLC. Conversion from a corp. to an LLC to be filed with the USPTO

<sup>3</sup> Grantor is an LLC. Conversion from a corp. to an LLC to be filed with the USPTO

<sup>4</sup> Grantor is an LLC. Conversion from a corp. to an LLC to be filed with the USPTO



Current Assignee	Country Code	Application Number	Filing Date	Status	Title	Issue Date	Patent Number
Worldpay US, LLC <sup>5</sup>	US	17/736,858	5/4/2022	Pending	METHODS AND APPARATUS FOR UNIFIED INVENTORY MANAGEMENT		
Worldpay US, LLC <sup>6</sup>	US	14/808,960	7/24/2015	Issued	METHODS AND APPARATUS FOR UNIFIED INVENTORY MANAGEMENT	6/28/2022	11,373,158
Worldpay, LLC	US	16/233,616	12/27/2018	Issued	METHODS AND SYSTEMS FOR ACOUSTIC AUTHENTICATION	1/3/2023	11,544,370
Worldpay, LLC	US	18/060,144	11/30/2022	Pending	METHODS AND SYSTEMS FOR ACOUSTIC AUTHENTICATION		
Worldpay, LLC	US	15/926,183	3/20/2018	Issued	METHODS AND SYSTEMS FOR DATA ANALYTICS FOR PAYMENT FACILITATORS	5/10/2022	11,328,309
Worldpay, LLC	US	16/138,633	9/21/2018	Issued	METHODS AND SYSTEMS FOR DATA ANALYTICS FOR PAYMENT FACILITATORS USING INTERNET-CONNECTED DEVICES	12/12/2023	11,842,337
Worldpay, LLC	US	16/226,877	12/20/2018	Issued	METHODS AND SYSTEMS FOR DETECTING SUSPICIOUS OR NON-SUSPICIOUS ACTIVITIES INVOLVING A MOBILE DEVICE USE	10/13/2020	10,803,458
Worldpay, LLC	US	17/012,361	9/4/2020	Issued	METHODS AND SYSTEMS FOR DETECTING SUSPICIOUS OR NON-SUSPICIOUS ACTIVITIES INVOLVING A MOBILE DEVICE USE	2/22/2022	11,257,087
Worldpay, LLC	US	17/529,813	11/18/2022	Issued	METHODS AND SYSTEMS FOR DETECTING SUSPICIOUS OR NON-SUSPICIOUS ACTIVITIES INVOLVING A MOBILE DEVICE USE	8/8/2023	11,720,899

<sup>5</sup> Grantor is an LLC. Conversion from a corp. to an LLC to be filed with the USPTO

<sup>6</sup> Grantor is an LLC. Conversion from a corp. to an LLC to be filed with the USPTO

Current Assignee	Country Code	Application Number	Filing Date	Status	Title	Issue Date	Patent Number
Worldpay, LLC	US	18/336,140	06/16/2023	Pending	METHODS AND SYSTEMS FOR DETECTING SUSPICIOUS OR NON-SUSPICIOUS ACTIVITIES INVOLVING A MOBILE DEVICE USE		
Worldpay, LLC	US	16/427,961	5/31/2019	Issued	METHODS AND SYSTEMS FOR DUAL-TO-SINGLE MESSAGE CONVERSION IN ELECTRONIC TRANSACTIONS	3/2/2021	10,937,014
Worldpay, LLC	US	17/104,449	11/25/2020	Issued	METHODS AND SYSTEMS FOR DUAL-TO-SINGLE MESSAGE CONVERSION IN ELECTRONIC TRANSACTIONS	9/26/2023	11,769,130
Worldpay, LLC	US	18/304,672	04/21/2023	Pending	METHODS AND SYSTEMS FOR DUAL-TO-SINGLE MESSAGE CONVERSION IN ELECTRONIC TRANSACTIONS		
Worldpay, LLC	US	17/936,468	9/29/2022	Pending	METHODS AND SYSTEMS FOR DYNAMIC ROUTING OF ELECTRONIC TRANSACTION MESSAGES WHILE MAINTAINING TOKEN COMPATIBILITY		
Worldpay, LLC	US	16/697,928	11/27/2019	Issued	METHODS AND SYSTEMS FOR DYNAMIC ROUTING OF ELECTRONIC TRANSACTION MESSAGES WHILE MAINTAINING TOKEN COMPATIBILITY	12/05/2023	11,836,715
Worldpay, LLC	US	16/697,818	11/27/2019	Pending	METHODS AND SYSTEMS FOR DYNAMIC ROUTING OF ELECTRONIC TRANSACTION MESSAGES		
Worldpay, LLC	US	18/055,130	11/14/2022	Pending	METHODS AND SYSTEMS FOR DYNAMIC ROUTING OF ELECTRONIC TRANSACTION MESSAGES VIA MACHINE LEARNING		
Worldpay, LLC	US	16/682,817	11/13/2019	Issued	METHODS AND SYSTEMS FOR ENHANCED ENDPOINT IDENTITY VALIDATION IN	3/22/2022	11,283,621

Current Assignee	Country Code	Application Number	Filing Date	Status	Title	Issue Date	Patent Number
			9		ELECTRONIC TRANSACTIONS		
Worldpay, LLC	US	17/668,586	2/10/2022	Issued	METHODS AND SYSTEMS FOR ENHANCED ENDPOINT IDENTITY VALIDATION IN ELECTRONIC TRANSACTIONS	8/8/2023	11,722,311
Worldpay, LLC	US	18/335,298	06/15/2022 3	Pending	METHODS AND SYSTEMS FOR ENHANCED ENDPOINT IDENTITY VALIDATION IN ELECTRONIC TRANSACTIONS		
Worldpay, LLC	US	16/413,281	5/15/2019	Pending	METHODS AND SYSTEMS FOR GENERATING A UNIQUE SIGNATURE BASED ON USER MOVEMENTS IN A THREE-DIMENSIONAL SPACE		
Worldpay, LLC	US	16/413,330	5/15/2019	Pending	METHODS AND SYSTEMS FOR GENERATING A UNIQUE SIGNATURE BASED ON USER DEVICE MOVEMENTS IN A THREE-DIMENSIONAL SPACE		
Worldpay, LLC	US	18/459,629	09/01/2022 3	Pending	METHODS AND SYSTEMS FOR OBFUSCATING ENTRY OF SENSITIVE DATA AT MOBILE DEVICES		
Worldpay, LLC	US	16/911,858	6/25/2020	Pending	METHODS AND SYSTEMS FOR SEAMLESSLY TRANSPORTING OBJECTS BETWEEN CONNECTED DEVICES FOR ELECTRONIC TRANSACTIONS		
Worldpay, LLC	US	16/250,513	1/17/2019	Issued	METHODS AND SYSTEMS FOR SECURE AUTHENTICATION IN A VIRTUAL OR AUGMENTED REALITY ENVIRONMENT	5/17/2022	11,334,891
Worldpay, LLC	US	17/720,114	4/13/2022	Issued	METHODS AND SYSTEMS FOR SECURE AUTHENTICATION IN A VIRTUAL OR AUGMENTED REALITY ENVIRONMENT	11/21/2023	11,823,188
Worldpay, LLC	US	18/051,220	10/31/2022	Issued	METHODS AND SYSTEMS FOR SECURE	11/21/2023	11,823,189

Current Assignee	Country Code	Application Number	Filing Date	Status	Title	Issue Date	Patent Number
			2		AUTHENTICATION IN A VIRTUAL OR AUGMENTED REALITY ENVIRONMENT		
Worldpay, LLC	US	17/643,716	12/10/2021	Issued	METHODS AND SYSTEMS FOR SECURE CROSS-PLATFORM TOKEN EXCHANGE	7/25/2023	11,711,349
Worldpay, LLC	US	16/697,754	11/27/2019	Issued	METHODS AND SYSTEMS FOR SECURE CROSS-PLATFORM TOKEN EXCHANGE	1/25/2022	11,233,772
Worldpay, LLC	US	18/329,167	06/05/2023	Pending	METHODS AND SYSTEMS FOR SECURE CROSS-PLATFORM TOKEN EXCHANGE		
Worldpay, LLC	US	16/697,885	11/27/2019	Pending	METHODS AND SYSTEMS FOR SECURELY FACILITATING CROSS-PLATFORM TOKEN COMPATIBILITY VIA MULTI-TOKENIZATION		
Worldpay, LLC	US	14/990,988	1/8/2016	Issued	MULTI-PLATFORM ELECTRONIC PAYMENT TRANSACTION RISK PROFILING	5/16/2023	11,651,341
Worldpay, LLC	US	18/194,965	4/3/2023	Pending	MULTI-PLATFORM ELECTRONIC PAYMENT TRANSACTION RISK PROFILING		
Paymetric LLC <sup>7</sup>	US	12/482,231	6/10/2009	Issued	PAYMENT ENCRYPTION ACCELERATOR	6/10/2014	8,751,788
Worldpay, LLC	US	14/990,319	1/7/2016	Issued	POINT OF INTERACTION DEVICE EMULATION FOR PAYMENT TRANSACTION SIMULATION	4/5/2022	11,295,293
Worldpay, LLC	US	15/827,850	11/30/2017	Issued	POINT OF INTERACTION DEVICE EMULATION FOR PAYMENT TRANSACTION SIMULATION	2/1/2022	11,238,439
Worldpay, LLC	US	17/644,634	12/16/2021	Pending	POINT OF INTERACTION DEVICE EMULATION FOR PAYMENT TRANSACTION SIMULATION		

<sup>7</sup> Grantor is an LLC. Conversion to an LLC to be filed with the USPTO

Current Assignee	Country Code	Application Number	Filing Date	Status	Title	Issue Date	Patent Number
Worldpay, LLC	US	17/652,791	2/28/2022	Pending	POINT OF INTERACTION DEVICE EMULATION FOR PAYMENT TRANSACTION SIMULATION		
Worldpay, LLC	US	18/047,356	10/18/2022	Pending	PREPAID CARD FUNDING FOR SINGLE TRANSACTION		
Worldpay, LLC	US	16/235,311	12/28/2018	Issued	PREPAID CARD FUNDING FOR SINGLE TRANSACTION	11/22/2022	11,507,938
Paymetric LLC <sup>8</sup>	US	13/116,993	5/26/2011	Issued	REFERENCE TOKEN SERVICE	7/16/2013	8,489,894
Worldpay, LLC	US	14/504,725	10/2/2014	Issued	Secure electronic transaction authorization based on tokenized identifiers and location data	2/23/2021	10,929,888
Worldpay, LLC	US	17/106,510	11/30/2020	Issued	SECURE ELECTRONIC TRANSACTION AUTHORIZATION ON TOKENIZED IDENTIFIERS AND LOCATION DATA	4/19/2022	11,308,521
Worldpay, LLC	US	17/654,152	3/9/2022	Pending	SECURE ELECTRONIC TRANSACTION AUTHORIZATION ON TOKENIZED IDENTIFIERS AND LOCATION DATA		
Worldpay, LLC	US	16/228,179	12/20/2018	Pending	SYSTEM AND METHOD FOR ELECTRONIC TRANSACTION DATABASES FOR SUB-MERCHANT FUNDING		
Worldpay, LLC	US	16/228,307	12/20/2018	Pending	SYSTEM AND METHOD FOR ELECTRONIC TRANSACTION DATABASES FOR SUB-MERCHANT FUNDING		

<sup>8</sup> Grantor is an LLC. Conversion to an LLC to be filed with the USPTO

Current Assignee	Country Code	Application Number	Filing Date	Status	Title	Issue Date	Patent Number
eCommerce, LLC							
Worldpay, LLC	US	14/580,280	12/23/2014	Issued	System and method for managing merchant terms and conditions applicable to a payment transaction	5/4/2021	10,997,593
Worldpay, LLC	US	17/218,382	3/31/2021	Pending	SYSTEM AND METHOD FOR MANAGING MERCHANT TERMS AND CONDITIONS APPLICABLE TO A PAYMENT TRANSACTION		
Worldpay, LLC	US	14/752,063	6/26/2015	Issued	SYSTEM AND METHOD FOR PAYMENT PLATFORM SELF-CERTIFICATION FOR PROCESSING FINANCIAL TRANSACTIONS WITH PAYMENT NETWORKS	10/9/2018	10,096,007
Worldpay, LLC	US	16/123,392	9/6/2018	Issued	SYSTEM AND METHOD FOR PAYMENT PLATFORM SELF-CERTIFICATION FOR PROCESSING FINANCIAL TRANSACTIONS WITH PAYMENT NETWORKS	11/3/2020	10,824,998
Worldpay, LLC	US	17/037,863	9/30/2020	Issued	SYSTEM AND METHOD FOR PAYMENT PLATFORM SELF-CERTIFICATION FOR PROCESSING FINANCIAL TRANSACTIONS WITH PAYMENT NETWORKS	4/11/2023	11,625,693
Worldpay, LLC	US	18/181,771	3/10/2023	Pending	SYSTEM AND METHOD FOR PAYMENT PLATFORM SELF-CERTIFICATION FOR PROCESSING FINANCIAL TRANSACTIONS WITH PAYMENT NETWORKS		
Worldpay, LLC	US	14/522,685	10/24/2014	Issued	SYSTEM AND METHOD FOR PAYMENT PROCESSING TELEMETRY	4/18/2023	11,631,065
Worldpay, LLC	US	18/185,566	3/17/2023	Pending	SYSTEM AND METHOD FOR PAYMENT PROCESSING TELEMETRY		
Worldpay, LLC	US	17/936,392	9/29/2022	Pending	SYSTEM AND METHOD FOR PAYMENT TENDER		

Current Assignee	Country Code	Application Number	Filing Date	Status	Title	Issue Date	Patent Number
					STEERING		
Worldpay, LLC	US	14/987,130	1/4/2016	Issued	SYSTEM AND METHOD FOR PAYMENT TENDER STEERING	1/7/2020	10,528,926
Worldpay, LLC	US	16/696,501	11/26/2019	Issued	SYSTEM AND METHOD FOR PAYMENT TENDER STEERING	1/25/2022	11,232,418
Worldpay, LLC	US	17/554,127	12/17/2021	Pending	SYSTEM AND METHOD FOR PAYMENT TENDER STEERING		
Worldpay, LLC	US	17/566,111	12/30/2021	Pending	SYSTEM AND METHOD FOR PROVIDING A REAL-TIME PAYMENT BETWEEN A CUSTOMER FINANCIAL INSTITUTION ACCOUNT AND A MERCHANT FINANCIAL INSTITUTION ACCOUNT FOR A TRANSACTION BASED ON A DIRECT COMMUNICATION BETWEEN A USER DEVICE AND A POINT-OF-SALE DEVICE		
Worldpay, LLC	US	18/057,387	11/21/2022	Pending	SYSTEM AND METHOD FOR PROVIDING A REAL-TIME PAYMENT BETWEEN A CUSTOMER FINANCIAL INSTITUTION ACCOUNT AND A MERCHANT FINANCIAL INSTITUTION ACCOUNT FOR A TRANSACTION BASED ON A DIRECT COMMUNICATION BETWEEN A USER DEVICE AND A POINT-OF-SALE DEVICE		
Worldpay, LLC	US	18/057,395	11/21/2022	Pending	SYSTEM AND METHOD FOR PROVIDING A REAL-TIME PAYMENT BETWEEN A CUSTOMER FINANCIAL INSTITUTION ACCOUNT AND A MERCHANT FINANCIAL INSTITUTION ACCOUNT FOR A TRANSACTION BASED ON A DIRECT COMMUNICATION BETWEEN A USER DEVICE AND A POINT-OF-SALE DEVICE		
Worldpay, LLC\ Jointly	US	14/965,266	12/10/2011	Pending	SYSTEM AND METHOD FOR SUB-MERCHANT		

Current Assignee	Country Code	Application Number	Filing Date	Status	Title	Issue Date	Patent Number
owned with Worldpay ISO and eCommerce, LLC			5		FUNDING		
Worldpay, LLC	US	17/811,894	7/12/2022	Pending	SYSTEM AND METHOD FOR THIRD PARTY PAYMENT AT POINT OF SALE TERMINALS		
Worldpay, LLC	US	14/739,250	6/15/2015	Issued	System and method for third party payment at point of sale terminals	10/8/2019	10,438,177
Worldpay, LLC	US	16/783,418	2/6/2020	Issued	SYSTEM AND METHOD FOR THIRD PARTY PAYMENT AT POINT OF SALE TERMINALS	8/16/2022	11,416,834
Worldpay, LLC	US	14/990,917	1/8/2016	Issued	SYSTEM AND METHOD FOR TOKENIZING INFORMATION FROM A DIGITAL WALLET HOST BY AN ACQUIRER PROCESSOR	10/6/2020	10,796,301
Worldpay, LLC	US	16/906,810	6/19/2020	Issued	SYSTEM AND METHOD FOR TOKENIZING INFORMATION FROM A DIGITAL WALLET HOST BY AN ACQUIRER PROCESSOR	8/22/2023	11,734,674
Worldpay, LLC	US	18/342,440	06/27/2023	Pending	SYSTEM AND METHOD FOR TOKENIZING INFORMATION FROM A DIGITAL WALLET HOST BY AN ACQUIRER PROCESSOR		
Worldpay, LLC	US	14/527,017	10/29/2014	Issued	SYSTEM AND METHODS FOR TRANSACTION-BASED PROCESS MANAGEMENT	3/21/2017	9,600,333
Worldpay, LLC	US	15/422,159	2/1/2017	Issued	SYSTEM AND METHODS FOR TRANSACTION-BASED PROCESS MANAGEMENT	5/8/2018	9,965,325
Worldpay, LLC	US	15/941,546	3/30/2018	Issued	SYSTEM AND METHODS FOR TRANSACTION-BASED PROCESS MANAGEMENT	8/20/2019	10,387,197
Worldpay, LLC	US	16/503,006	7/3/2019	Issued	System and methods for transaction-based process management	4/6/2021	10,970,112



Current Assignee	Country Code	Application Number	Filing Date	Status	Title	Issue Date	Patent Number
Worldpay, LLC	US	17/194,512	3/8/2021	Issued	SYSTEM AND METHODS FOR TRANSACTION-BASED PROCESS MANAGEMENT	5/9/2023	11,645,112
Worldpay, LLC	US	18/194,059	3/31/2023	Pending	SYSTEM AND METHODS FOR TRANSACTION-BASED PROCESS MANAGEMENT		
Worldpay, LLC	US	16/233,466	12/27/2018	Issued	SYSTEMS AND METHODS FOR A CONTEXT-DRIVEN ELECTRONIC TRANSACTIONS FRAUD DETECTION	3/8/2022	11,270,311
Worldpay, LLC	US	17/574,460	1/12/2022	Pending	SYSTEMS AND METHODS FOR A CONTEXT-DRIVEN ELECTRONIC TRANSACTIONS FRAUD DETECTION		
Worldpay, LLC	US	18/054,330	11/10/2022	Pending	SYSTEMS AND METHODS FOR A CONTEXT-DRIVEN ELECTRONIC TRANSACTIONS FRAUD DETECTION		
Worldpay, LLC	US	15/825,225	11/29/2017	Issued	SYSTEMS AND METHODS FOR AGGREGATED DATABASE FOR CROSS-ISSUER FRAUD DETECTION SYSTEM	8/31/2021	11,107,083
Worldpay, LLC	US	17/444,115	7/30/2021	Pending	SYSTEMS AND METHODS FOR AGGREGATED DATABASE FOR CROSS-ISSUER FRAUD DETECTION SYSTEM		
Worldpay, LLC	US	13/957,424	8/1/2013	Issued	SYSTEMS AND METHODS FOR ARBITRAGED ENHANCED PAYMENT PROCESSING	12/11/2018	10,152,711
Worldpay, LLC	US	17/934,368	9/22/2022	Pending	SYSTEMS AND METHODS FOR ATTRIBUTING ELECTRONIC PURCHASE EVENTS TO PREVIOUS ONLINE AND OFFLINE ACTIVITY OF THE PURCHASER		
Worldpay, LLC	US	15/382,069	12/16/2011	Issued	SYSTEMS AND METHODS FOR ATTRIBUTING ELECTRONIC PURCHASE EVENTS TO PREVIOUS	5/25/2021	11017427

Current Assignee	Country Code	Application Number	Filing Date	Status	Title	Issue Date	Patent Number
Worldpay, LLC	US	17/205,286	3/18/2021	Pending	SYSTEMS AND METHODS FOR ATTRIBUTING ELECTRONIC PURCHASE EVENTS TO PREVIOUS ONLINE AND OFFLINE ACTIVITY OF THE PURCHASER		
Worldpay, LLC	US	14/859,646	9/21/2015	Pending	SYSTEMS AND METHODS FOR ATTRIBUTING PURCHASE EVENTS TO PREVIOUS ONLINE ACTIVITY		
Worldpay LLC	US	18/155,941	1/18/2023	Pending	SYSTEMS AND METHODS FOR AUTHENTICATING ELECTRONIC TRANSACTIONS AT VIRTUAL REALITY DEVICES USING MOBILE APP PAYMENT ACCOUNT(S)		
Worldpay, LLC	US	13/561,034	7/28/2012	Issued	SYSTEMS AND METHODS FOR AUTOMATED AUTHORIZING, DISTRIBUTING AND PROCESSING OF ENHANCED DISCRETE COUPONS	11/26/2019	10,489,796
Worldpay, LLC	US	16/658,435	10/21/2019	Issued	SYSTEMS AND METHODS FOR AUTOMATED AUTHORIZING, DISTRIBUTING AND PROCESSING OF ENHANCED DISCRETE COUPONS	1/25/2022	11,232,460
Worldpay, LLC	US	17/547,736	12/10/2021	Issued	SYSTEMS AND METHODS FOR AUTOMATED AUTHORIZING, DISTRIBUTING, AND PROCESSING ELECTRONIC DATA FILES	3/7/2023	11,599,893
Worldpay, LLC	US	18/165,495	2/7/2023	Pending	Systems and Methods for Automated Authoring, Distributing, and Processing Electronic Data Files		
Worldpay, LLC	US	17/936,480	9/29/2022	Pending	SYSTEMS AND METHODS FOR AUTOMATED FRAUD DETECTION AND ANALYTICS USING AGGREGATED PAYMENT VEHICLES AND DEVICES		

Current Assignee	Country Code	Application Number	Filing Date	Status	Title	Issue Date	Patent Number
Worldpay, LLC	US	15/924,993	3/19/2018	Issued	SYSTEMS AND METHODS FOR AUTOMATED FRAUD DETECTION AND ANALYTICS USING AGGREGATED PAYMENT VEHICLES AND DEVICES	11/1/2022	11,488,170
Worldpay, LLC	US	17/823,830	8/31/2022	Issued	SYSTEMS AND METHODS FOR AUTOMATED FRAUD DETECTION AND ANALYTICS USING AGGREGATED PAYMENT VEHICLES AND DEVICES	2/21/2023	11,587,089
Worldpay, LLC	US	17/857,855	7/5/2022	Pending	SYSTEMS AND METHODS FOR AUTOMATED INTEGRATION BETWEEN PAYMENT FACILITATORS AND SUBMERCHANTS		
Worldpay, LLC	US	16/230,415	12/21/2018	Issued	SYSTEMS AND METHODS FOR AUTOMATED INTEGRATION BETWEEN PAYMENT FACILITATORS AND SUBMERCHANTS	8/16/2022	11,416,861
Worldpay, LLC	US	16/230,259	12/21/2018	Pending	SYSTEMS AND METHODS FOR AUTOMATED PAYOUT FUNDING BETWEEN PAYMENT FACILITATORS AND SUBMERCHANTS		
Worldpay, LLC	US	15/925,161	3/19/2018	Issued	SYSTEMS AND METHODS FOR AUTOMATED VALIDATION FOR PROPRIETARY SECURITY IMPLEMENTATIONS	7/25/2023	11,710,125
Worldpay, LLC	US	18/317,575	05/15/2023	Pending	SYSTEMS AND METHODS FOR AUTOMATED VALIDATION FOR PROPRIETARY SECURITY IMPLEMENTATIONS		
Worldpay, LLC	US	17/936,031	9/28/2022	Pending	SYSTEMS AND METHODS FOR BLOCKCHAIN-BASED PAYMENT TRANSACTIONS, ALERTS, AND DISPUTE SETTLEMENT, USING A BLOCKCHAIN INTERFACE SERVER		

Current Assignee	Country Code	Application Number	Filing Date	Status	Title	Issue Date	Patent Number
Worldpay, LLC	US	15/827,844	11/30/2017	Issued	Systems and methods for blockchain-based payment transactions, alerts, and dispute settlement, using a blockchain interface server	1/4/2022	11,216,788
Worldpay, LLC	US	17/456,756	11/29/2021	Pending	SYSTEMS AND METHODS FOR BLOCKCHAIN-BASED PAYMENT TRANSACTIONS, ALERTS, AND DISPUTE SETTLEMENT, USING A BLOCKCHAIN INTERFACE SERVER		
Worldpay, LLC	US	17/935,738	9/27/2022	Pending	SYSTEMS AND METHODS FOR CAPTURING ACCOUNT HOLDER CONSENT FOR TRANSACTION DATA COLLECTION		
Worldpay, LLC	US	14/609,546	1/30/2015	Issued	Systems and methods for capturing account holder consent for transaction data collection	9/15/2020	10,776,802
Worldpay, LLC	US	16/932,457	7/17/2020	Pending	SYSTEMS AND METHODS FOR CAPTURING ACCOUNT HOLDER CONSENT FOR TRANSACTION DATA COLLECTION		
Worldpay, LLC	US	14/561,613	12/5/2014	Issued	SYSTEMS AND METHODS FOR CLIENT-SIDE MANAGEMENT OF RECURRING PAYMENT TRANSACTIONS	7/7/2020	10,706,399
Worldpay, LLC	US	16/884,218	5/27/2020	Issued	SYSTEMS AND METHODS FOR CLIENT-SIDE MANAGEMENT OF RECURRING PAYMENT TRANSACTIONS	1/3/2023	11,544,687
Worldpay, LLC	US	18/061,739	12/5/2022	Pending	SYSTEMS AND METHODS FOR CLIENT-SIDE MANAGEMENT OF RECURRING PAYMENT TRANSACTIONS		
Worldpay, LLC	US	15/677,741	8/15/2017	Issued	SYSTEMS AND METHODS FOR CLOUD BASED MESSAGING BETWEEN ELECTRONIC DATABASE INFRASTRUCTURE	6/9/2020	10,681,185

Current Assignee	Country Code	Application Number	Filing Date	Status	Title	Issue Date	Patent Number
Worldpay, LLC	US	16/845,186	4/10/2020	Issued	SYSTEMS AND METHODS FOR CLOUD BASED MESSAGING BETWEEN ELECTRONIC DATABASE INFRASTRUCTURE	9/28/2021	11,134,139
Worldpay, LLC	US	17/446,237	8/27/2021	Issued	SYSTEMS AND METHODS FOR CLOUD BASED MESSAGING BETWEEN ELECTRONIC DATABASE INFRASTRUCTURE	5/23/2023	<u>11,659,068</u>
Worldpay, LLC	US	18/299,822	04/13/2023	Pending	SYSTEMS AND METHODS FOR CLOUD BASED MESSAGING BETWEEN ELECTRONIC DATABASE INFRASTRUCTURE		
Worldpay, LLC	US	15/662,580	7/28/2017	Issued	SYSTEMS AND METHODS FOR CLOUD BASED PIN PAD DEVICE GATEWAY	4/7/2020	10,614,021
Worldpay, LLC	US	16/804,979	2/28/2020	Issued	SYSTEMS AND METHODS FOR CLOUD BASED PIN PAD DEVICE GATEWAY	4/27/2021	10,990,558
Worldpay, LLC	US	17/213,080	3/25/2021	Issued	SYSTEMS AND METHODS FOR CLOUD BASED PIN PAD DEVICE GATEWAY	06/27/2023	11,687,481
Worldpay, LLC	US	18/316,389	05/12/2023	Pending	SYSTEMS AND METHODS FOR CLOUD BASED PIN PAD DEVICE GATEWAY		
Worldpay, LLC	US	15/662,516	7/28/2017	Issued	SYSTEMS AND METHODS FOR CLOUD BASED PIN PAD TRANSACTION GENERATION	10/03/2023	11,775,970
Worldpay, LLC	US	16/226,028	12/19/2018	Issued	SYSTEMS AND METHODS FOR CLOUD-BASED ASYNCHRONOUS COMMUNICATION	3/29/2022	11,288,656
Worldpay, LLC	US	17/651,132	2/15/2022	Pending	SYSTEMS AND METHODS FOR CLOUD-BASED ASYNCHRONOUS COMMUNICATION		
Worldpay, LLC	US	17/955,724	9/29/2022	Issued	SYSTEMS AND METHODS FOR CLOUD-BASED MANAGEMENT OF PAYMENT DEVICES	12/12/2023	11,842,329

Current Assignee	Country Code	Application Number	Filing Date	Status	Title	Issue Date	Patent Number
Worldpay, LLC	US	15/354,075	11/17/2016	Issued	SYSTEMS AND METHODS FOR CLOUD-BASED MANAGEMENT OF PAYMENT DEVICES	11/1/2022	11,488,130
Worldpay, LLC	US	16/822,847	3/18/2020	Pending	SYSTEMS AND METHODS FOR CLOUD-BASED MANAGEMENT OF PAYMENT DEVICES		
Worldpay, LLC	US	16/227,325	12/20/2018	Issued	Systems and methods for cloud-based testing of POS devices	12/28/2021	11,210,190
Worldpay, LLC	US	17/455,531	11/18/2021	Issued	SYSTEMS AND METHODS FOR CLOUD-BASED TESTING OF POS DEVICES	01/02/2024	11,860,750
Worldpay, LLC	US	17/849,128	6/24/2022	Pending	SYSTEMS AND METHODS FOR COMPUTER ANALYTICS OF ASSOCIATIONS BETWEEN ONLINE AND OFFLINE PURCHASE EVENTS		
Worldpay, LLC	US	15/367,992	12/2/2016	Issued	SYSTEMS AND METHODS FOR COMPUTER ANALYTICS OF ASSOCIATIONS BETWEEN ONLINE AND OFFLINE PURCHASE EVENTS	4/14/2020	10,621,599
Worldpay, LLC	US	16/805,048	2/28/2020	Issued	SYSTEMS AND METHODS FOR COMPUTER ANALYTICS OF ASSOCIATIONS BETWEEN ONLINE AND OFFLINE PURCHASE EVENTS	1/26/2021	10,902,440
Worldpay, LLC	US	17/104,480	11/25/2020	Issued	SYSTEMS AND METHODS FOR COMPUTER ANALYTICS OF ASSOCIATIONS BETWEEN ONLINE AND OFFLINE PURCHASE EVENTS	8/2/2022	11,403,650
Worldpay, LLC	US	16/233,589	12/27/2018	Pending	SYSTEMS AND METHODS FOR COMPUTER ANALYTICS OF ASSOCIATIONS BETWEEN STORED PRODUCTS AND COMPLETED ELECTRONIC TRANSACTION EVENTS		
Worldpay, LLC	US	17/933,960	9/21/2022	Pending	SYSTEMS AND METHODS FOR COMPUTER ANALYTICS OF ASSOCIATIONS BETWEEN STORED PRODUCTS AND COMPLETED		

Current Assignee	Country Code	Application Number	Filing Date	Status	Title	Issue Date	Patent Number
Worldpay, LLC	US	16/233,627	12/27/2018	Issued	ELECTRONIC TRANSACTION EVENTS	3/8/2022	11,270,312
Worldpay, LLC	US	17/562,820	12/27/2021	Pending	SYSTEMS AND METHODS FOR COMPUTING AND APPLYING CONSUMER VALUE SCORES TO ELECTRONIC TRANSACTIONS		
Worldpay, LLC	US	18/053,471	11/8/2022	Pending	SYSTEMS AND METHODS FOR COMPUTING AND APPLYING USER VALUE SCORES DURING TRANSACTION AUTHORIZATION		
Worldpay, LLC	US	14/751,336	6/26/2015	Issued	SYSTEMS AND METHODS FOR CONSUMER LOYALTY MANAGEMENT	10/20/2020	10,810,610
Worldpay, LLC	US	18/053,466	11/8/2022	Pending	SYSTEMS AND METHODS FOR CONTEXT-DRIVEN ELECTRONIC TRANSACTIONS FRAUD DETECTION		
Worldpay, LLC	US	14/135,555	12/19/2013	Issued	SYSTEMS AND METHODS FOR COST ALTERING PAYMENT SERVICES	7/9/2019	10,346,843
Worldpay, LLC	US	16/418,581	5/21/2019	Issued	SYSTEMS AND METHODS FOR COST ALTERING PAYMENT SERVICES	12/7/2021	11,195,182
Worldpay, LLC	US	17/515,224	10/29/2021	Pending	SYSTEMS AND METHODS FOR COST ALTERING PAYMENT SERVICES		
Worldpay, LLC	US	17/936,450	9/29/2022	Pending	SYSTEMS AND METHODS FOR CROSS-ISSUER CHARGEBACK FRAUD DETECTION SYSTEM		
Worldpay, LLC	US	15/825,255	11/29/2017	Pending	SYSTEMS AND METHODS FOR CROSS-ISSUER CHARGEBACK FRAUD DETECTION SYSTEM		

Current Assignee	Country Code	Application Number	Filing Date	Status	Title	Issue Date	Patent Number
Worldpay, LLC	US	PCT/US2022/042238	8/31/2022	Pending	SYSTEMS AND METHODS FOR DATA AGGREGATION FOR TRANSACTION SETTLEMENT		
Worldpay, LLC	US	17/700,125	3/21/2022	Pending	SYSTEMS AND METHODS FOR DATA AGGREGATION FOR TRANSACTION SETTLEMENT		
Worldpay, LLC	US	18/167,439	2/10/2023	Pending	SYSTEMS AND METHODS FOR DATA AGGREGATION FOR TRANSACTION SETTLEMENT USING MACHINE LEARNING		
Worldpay, LLC	US	17/657,797	4/4/2022	Pending	SYSTEMS AND METHODS FOR DATA ANALYTICS AND ELECTRONIC DISPLAYS THEREOF TO PAYMENT FACILITATORS AND SUB-MERCHANTS		
Worldpay, LLC	US	15/381,908	12/16/2011	Issued	SYSTEMS AND METHODS FOR DETECTING SECURITY RISKS IN NETWORK PAGES	11/19/2019	10,484,415
Worldpay, LLC	US	16/599,715	10/11/2011	Issued	SYSTEMS AND METHODS FOR DETECTING SECURITY RISKS IN NETWORK PAGES	2/15/2022	11,252,174
Worldpay, LLC	US	17/563,459	12/28/2021	Pending	SYSTEMS AND METHODS FOR DETECTING SECURITY RISKS IN NETWORK PAGES		
Worldpay, LLC	US	17/008,144	8/31/2020	Issued	SYSTEMS AND METHODS FOR DETERMINING CORRELATIVE ANALYTICS FOR ONLINE AND OFFLINE ELECTRONIC TRANSACTION EVENTS	5/31/2022	11,348,127
Worldpay, LLC	US	17/733,163	4/29/2022	Issued	SYSTEMS AND METHODS FOR DETERMINING CORRELATIVE ANALYTICS FOR ONLINE AND OFFLINE ELECTRONIC TRANSACTION EVENTS	12/12/2023	11,842,359
Worldpay, LLC	US	17/955,807	9/29/2022	Pending	SYSTEMS AND METHODS FOR DIRECT ELECTRONIC COMMUNICATION OF CONSUMER		



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Worldpay, LLC	US	15/353,350	11/16/2016	Issued	SYSTEMS AND METHODS FOR DIRECT ELECTRONIC COMMUNICATION OF CONSUMER INFORMATION	4/14/2020	10,621,568
Worldpay, LLC	US	16/802,831	2/27/2020	Issued	SYSTEMS AND METHODS FOR DIRECT ELECTRONIC COMMUNICATION OF CONSUMER INFORMATION	6/29/2021	11,049,087
Worldpay, LLC	US	16/822,766	3/18/2020	Issued	SYSTEMS AND METHODS FOR DIRECT ELECTRONIC COMMUNICATION OF CONSUMER INFORMATION	9/21/2021	11,126,987
Worldpay, LLC	US	17/303,258	5/25/2021	Issued	SYSTEMS AND METHODS FOR DIRECT ELECTRONIC COMMUNICATION OF CONSUMER INFORMATION	11/1/2022	11,488,132
Worldpay, LLC	US	17/445,420	8/19/2021	Issued	SYSTEMS AND METHODS FOR DIRECT ELECTRONIC COMMUNICATION OF CONSUMER INFORMATION	6/6/2023	<u>11,669,821</u>
Worldpay, LLC	US	18/310,672	05/02/2023	Pending	SYSTEMS AND METHODS FOR DIRECT ELECTRONIC COMMUNICATION OF CONSUMER INFORMATION		
Worldpay, LLC	US	17/659,192	4/14/2022	Pending	SYSTEMS AND METHODS FOR DISTRIBUTED ENHANCED PAYMENT PROCESSING		
Worldpay, LLC	US	13/743,283	1/16/2013	Issued	SYSTEMS AND METHODS FOR DISTRIBUTED ENHANCED PAYMENT PROCESSING	7/9/2019	10,346,838
Worldpay, LLC	US	16/419,932	5/22/2019	Issued	SYSTEMS AND METHODS FOR DISTRIBUTED ENHANCED PAYMENT PROCESSING	5/10/2022	11,328,296
Worldpay, LLC	US	16/906,398	6/19/2020	Pending	SYSTEMS AND METHODS FOR DISTRIBUTED		

Current Assignee	Country Code	Application Number	Filing Date	Status	Title	Issue Date	Patent Number
					ENHANCED PAYMENT PROCESSING		
Worldpay, LLC	US	16/718,444	12/18/2019	Pending	SYSTEMS AND METHODS FOR DYNAMIC APPLICATION OF TOKENS IN CREDIT AUTHORIZATION		
Worldpay, LLC	US	15/843,150	12/15/2017	Issued	SYSTEMS AND METHODS FOR ELECTRONIC CERTIFICATION OF E-COMMERCE SECURITY BADGES	4/5/2022	11,295,301
Worldpay, LLC	US	17/652,322	2/24/2022	Issued	SYSTEMS AND METHODS FOR ELECTRONIC CERTIFICATION OF E-COMMERCE SECURITY BADGES	7/18/2023	11,704,664
Worldpay, LLC	US	18/327,284	06/01/2023	Pending	SYSTEMS AND METHODS FOR ELECTRONIC CERTIFICATION OF E-COMMERCE SECURITY BADGES		
Worldpay, LLC	US	15/334,054	10/25/2016	Issued	SYSTEMS AND METHODS FOR ELECTRONIC SCHEDULING OF PAYMENT TRANSACTION SUBMISSIONS OVER ELECTRONIC NETWORKS	11/16/2021	11,176,558
Worldpay, LLC	US	17/449,480	9/30/2021	Pending	SYSTEMS AND METHODS FOR ELECTRONIC SCHEDULING OF PAYMENT TRANSACTION SUBMISSIONS OVER ELECTRONIC NETWORKS		
Worldpay, LLC	US	16/938,806	7/24/2020	Pending	SYSTEMS AND METHODS FOR ELECTRONIC TRANSACTION AUTHORIZATIONS BASED ON CONSUMER DEVICE ACTIVITY		
Worldpay, LLC	US	15/856,737	12/28/2017	Issued	SYSTEMS AND METHODS FOR EMPLOYER DIRECT ELECTRONIC PAYMENT	7/6/2021	11,055,678
Worldpay, LLC	US	17/333,871	5/28/2021	Issued	SYSTEMS AND METHODS FOR EMPLOYER DIRECT ELECTRONIC PAYMENT	11/14/2023	11,816,646

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Worldpay, LLC	US	15/843,548	12/15/2017	Issued	SYSTEMS AND METHODS FOR ENCRYPTION AND DECRYPTION SERVICE FOR ELECTRONIC TRANSACTION MONITORING AND REPORTING	2/21/2023	11,587,073
Worldpay, LLC	US	18/155,207	1/17/2023	Pending	SYSTEMS AND METHODS FOR ENCRYPTION AND DECRYPTION SERVICE FOR ELECTRONIC TRANSACTION MONITORING AND REPORTING		
Worldpay, LLC	US	16/168,515	10/23/2018	Issued	Systems and methods for enhanced data routing based on a reconciled configuration	4/28/2020	10,636,032
Worldpay, LLC	US	17/811,940	7/12/2022	Pending	SYSTEMS AND METHODS FOR ENHANCED DATA ROUTING BASED ON DATA PRIORITIZATION		
Worldpay, LLC	US	16/818,539	3/13/2020	Issued	SYSTEMS AND METHODS FOR ENHANCED DATA ROUTING BASED ON DATA PRIORITIZATION	8/16/2022	11,416,856
Worldpay, LLC	US	17/889,261	8/16/2022	Issued	SYSTEMS AND METHODS FOR EXECUTING ECOMMERCE GUEST CHECKOUT TRANSACTIONS	12/05/2023	11,836,713
Worldpay, LLC	US	17/172,501	2/10/2021	Issued	SYSTEMS AND METHODS FOR EXECUTING ELECTRONIC TRANSACTIONS AND TOKENIZATIONS WITH DISTRIBUTED SETTLEMENT PLATFORM	4/11/2023	11,625,721
Worldpay, LLC	US	18/180,271	3/8/2023	Pending	SYSTEMS AND METHODS FOR EXECUTING ELECTRONIC TRANSACTIONS AND TOKENIZATIONS WITH DISTRIBUTED SETTLEMENT PLATFORM		
Worldpay, LLC	US	17/321,766	5/17/2021	Issued	SYSTEMS AND METHODS FOR EXECUTING ELECTRONIC TRANSACTIONS WITH DYNAMICALLY LOADABLE TRANSACTION PROCESSING MODULES	5/30/2023	11,663,588

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Worldpay, LLC	US	18/302,191	04/18/2023	Pending	SYSTEMS AND METHODS FOR EXECUTTING ELECTRONIC TRANSACTIONS WITH DYNAMICALLY LOADABLE TRANSACTION PROCESSING MODULES		
Worldpay, LLC	US	17/142,693	1/6/2021	Issued	SYSTEMS AND METHODS FOR EXECUTTING REAL-TIME ELECTRONIC TRANSACTIONS USING API CALLS	8/1/2023	11715104
Worldpay, LLC	US	18/060,337	11/30/2022	Pending	SYSTEMS AND METHODS FOR EXECUTTING REAL-TIME ELECTRONIC TRANSACTIONS USING API CALLS		
Worldpay, LLC	US	18/060,313	11/30/2022	Pending	SYSTEMS AND METHODS FOR EXECUTTING REAL-TIME ELECTRONIC TRANSACTIONS USING A ROUTING DECISION MODEL		
Worldpay, LLC	US	17/207,792	3/22/2021	Pending	SYSTEMS AND METHODS FOR EXECUTTING REAL-TIME ELECTRONIC TRANSACTIONS USING A ROUTING DECISION MODEL		
Worldpay, LLC	US	18/333,723	06/13/2023	Pending	SYSTEMS AND METHODS FOR EXECUTTING REAL-TIME ELECTRONIC TRANSACTIONS USING API CALLS		
Worldpay, LLC	US	17446207	8/27/2021	Pending	SYSTEMS AND METHODS FOR EXECUTTING REAL-TIME ELECTRONIC TRANSACTIONS USING GRAPHICAL USER INTERFACE		
Worldpay, LLC	US	18060298	11/30/2022	Pending	SYSTEMS AND METHODS FOR EXECUTTING REAL-TIME ELECTRONIC TRANSACTIONS USING GRAPHICAL USER INTERFACE		
Worldpay, LLC	US	17338943	6/4/2021	Pending	SYSTEMS AND METHODS FOR EXECUTTING REAL-TIME ELECTRONIC TRANSACTIONS WITH		

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Worldpay, LLC	US	17654673	3/14/2022	Pending	A TRANSACTION ACCELERATOR		
Worldpay, LLC	US	18055500	11/15/2022	Pending	Systems and Methods for Executing Real-Time Electronic Transactions by a Dynamically Determined Transfer Execution Date		
Worldpay, LLC	US	17337701	6/3/2021	Issued	SYSTEMS AND METHODS FOR EXECUTING REAL-TIME RECONCILIATION AND NOTIFICATION OF ELECTRONIC TRANSACTIONS	06/20/2023	11682010
Worldpay, LLC	US	18055504	11/15/2022	Issued	SYSTEMS AND METHODS FOR EXECUTING REAL-TIME RECONCILIATION AND NOTIFICATION OF ELECTRONIC TRANSACTIONS	08/08/2023	11,720,894
Worldpay, LLC	US	18312662	05/05/2022	Pending	SYSTEMS AND METHODS FOR EXECUTING REAL-TIME RECONCILIATION AND NOTIFICATION OF ELECTRONIC TRANSACTIONS		
Worldpay, LLC	US	14/059,425	10/21/2019	Issued	SYSTEMS AND METHODS FOR EXPEDITED AUTOMATED MERCHANT BOARDING	6/25/2019	10,332,106
Worldpay, LLC	US	16/409,332	5/10/2019	Issued	SYSTEMS AND METHODS FOR EXPEDITED AUTOMATED MERCHANT BOARDING	10/25/2022	11,481,763
Worldpay, LLC	US	14/521,806	10/23/2019	Pending	SYSTEMS AND METHODS FOR GENERATING A CONSUMER PROFILE REPORT		
Worldpay, LLC	US	17/657,172	3/30/2022	Pending	SYSTEMS AND METHODS FOR GENERATING A CORRELATION SCORE THAT IS DYNAMICALLY UPDATED AND WEIGHTED BASED UPON PARAMETER SELECTION		

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Worldpay, LLC	US	17/853,309	6/29/2022	Pending	SYSTEMS AND METHODS FOR GENERATING AND TRANSMITTING ELECTRONIC TRANSACTION ACCOUNT INFORMATION MESSAGES		
Worldpay, LLC	US	15/843,549	12/15/2017	Issued	SYSTEMS AND METHODS FOR GENERATING AND TRANSMITTING ELECTRONIC TRANSACTION ACCOUNT INFORMATION MESSAGES	8/16/2022	11,416,852
Worldpay, LLC	US	17/936,441	9/29/2022	Pending	SYSTEMS AND METHODS FOR HYPERLEDGER-BASED PAYMENT TRANSACTIONS, ALERTS, AND DISPUTE SETTLEMENT, USING SMART CONTRACTS		
Worldpay, LLC	US	15/828,026	11/30/2017	Pending	SYSTEMS AND METHODS FOR HYPERLEDGER-BASED PAYMENT TRANSACTIONS, ALERTS, AND DISPUTE SETTLEMENT, USING SMART CONTRACTS		
Worldpay, LLC	US	14/989,858	1/7/2016	Issued	SYSTEMS AND METHODS FOR IDENTIFICATION OF PREDICTED CONSUMER SPEND BASED ON HISTORICAL PURCHASE ACTIVITY PROGRESSIONS	12/14/2021	11,200,597
Worldpay, LLC	US	17/449,554	9/30/2021	Pending	SYSTEMS AND METHODS FOR IDENTIFICATION OF PREDICTED CONSUMER SPEND BASED ON HISTORICAL PURCHASE ACTIVITY PROGRESSIONS		
Worldpay, LLC	US	17/662,502	5/9/2022	Pending	SYSTEMS AND METHODS FOR IMPORTING A BATCH OF RECEIVER ACCOUNTS ONTO AN APPLICATION PLATFORM OF A REAL-TIME PAYMENT NETWORK		
Worldpay, LLC	US	18/061,705	12/5/2022	Pending	SYSTEMS AND METHODS FOR IMPORTING A BATCH OF RECEIVER ACCOUNTS ONTO AN APPLICATION PLATFORM OF A REAL-TIME		

Current Assignee	Country Code	Application Number	Filing Date	Status	Title	Issue Date	Patent Number
Worldpay, LLC	US	15/274,095	9/23/2016	Issued	SYSTEMS AND METHODS FOR LEAST COST ACQUIRER ROUTING FOR PRICING MODELS	8/20/2019	10,387,850
Worldpay, LLC	US	16/502,808	7/3/2019	Issued	SYSTEMS AND METHODS FOR LEAST COST ACQUIRER ROUTING FOR PRICING MODELS	3/23/2021	10,956,877
Worldpay, LLC	US	17/176,361	2/16/2021	Issued	SYSTEMS AND METHODS FOR LEAST COST ACQUIRER ROUTING FOR PRICING MODELS	12/12/2023	11,842,325
Worldpay, LLC	US	17/936,582	9/29/2022	Pending	SYSTEMS AND METHODS FOR LINKING ACH DATA WITH MERCHANT LOYALTY DATA		
Worldpay, LLC	US	15/359,141	11/22/2016	Issued	SYSTEMS AND METHODS FOR LINKING ACH DATA WITH MERCHANT LOYALTY DATA	5/25/2021	11,017,421
Worldpay, LLC	US	17/238,502	4/23/2021	Issued	SYSTEMS AND METHODS FOR LINKING ACH DATA WITH MERCHANT LOYALTY DATA	4/12/2022	11,301,891
Worldpay, LLC	US	17/654,138	3/9/2022	Pending	SYSTEMS AND METHODS FOR LINKING ACH DATA WITH MERCHANT LOYALTY DATA		
Worldpay, LLC	US	15/359,189	11/22/2016	Pending	SYSTEMS AND METHODS FOR LINKING ALTERNATIVE PAYMENT INFORMATION WITH ONLINE PERSONALLY IDENTIFYING INFORMATION		
Worldpay, LLC	US	15/368,241	12/2/2016	Issued	SYSTEMS AND METHODS FOR LINKING HIGH-VALUE TOKENS USING A LOW-VALUE TOKEN	9/3/2019	10,402,808
Worldpay, LLC	US	16/515,784	7/18/2019	Issued	SYSTEMS AND METHODS FOR LINKING HIGH-VALUE TOKENS USING A LOW-VALUE TOKEN	8/24/2021	11,100,486
Worldpay, LLC	US	16/911,547	6/25/2020	Issued	SYSTEMS AND METHODS FOR LINKING HIGH-VALUE TOKENS USING A LOW-VALUE TOKEN	6/14/2022	11,361,297

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Worldpay, LLC	US	17/381,674	7/21/2021	Issued	SYSTEMS AND METHODS FOR LINKING HIGH-VALUE TOKENS USING A LOW-VALUE TOKEN	12/05/2023	11,836,696
Worldpay, LLC	US	17/736,364	5/4/2022	Pending	SYSTEMS AND METHODS FOR LINKING HIGH-VALUE TOKENS USING A LOW-VALUE TOKEN		
Worldpay, LLC	US	14/734,096	6/9/2015	Issued	SYSTEMS AND METHODS FOR MANAGEMENT AND RECYCLING OF PAYMENT TRANSACTIONS	6/1/2021	11,023,888
Worldpay, LLC	US	17/302,269	4/29/2021	Pending	SYSTEMS AND METHODS FOR MANAGEMENT AND RECYCLING OF PAYMENT TRANSACTIONS		
Worldpay, LLC	US	PCT/US2022/042236	8/31/2022	Pending	SYSTEMS AND METHODS FOR MANAGING PAYMENT TRANSACTIONS BETWEEN REGISTERED USERS AND MERCHANTS		
Worldpay, LLC	US	17/446,922	9/3/2021	Pending	Systems and Methods for Managing Payment Transactions Between Registered Users and Merchants		
Worldpay, LLC	US	18/056,396	11/17/2022	Pending	SYSTEMS AND METHODS FOR MONITORING ONLINE TRANSACTIONS BETWEEN REGISTERED USERS AND SERVICE PROVIDERS BY A TRAINED MACHINE LEARNING MODEL		
Worldpay, LLC	US	13/563,534	7/31/2012	Issued	SYSTEMS AND METHODS FOR MULTI-MERCHANT TOKENIZATION	7/2/2019	10,339,524
Worldpay, LLC	US	16/412,042	5/14/2019	Issued	SYSTEMS AND METHODS FOR MULTI-MERCHANT TOKENIZATION	9/1/2020	10,762,500
Worldpay, LLC	US	16/887,638	5/29/2020	Issued	SYSTEMS AND METHODS FOR MULTI-MERCHANT TOKENIZATION	5/10/2022	11,328,293
Worldpay, LLC	US	17/657,882	4/4/2022	Pending	SYSTEMS AND METHODS FOR MULTI-MERCHANT TOKENIZATION		



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Worldpay, LLC	US	15/381,304	12/16/2016	Issued	SYSTEMS AND METHODS FOR NETWORK CONFIGURATIONS OF PIN PADS	3/12/2019	10,229,404
Worldpay, LLC	US	16/227,960	12/20/2018	Issued	SYSTEMS AND METHODS FOR NETWORK CONFIGURATIONS OF PIN PADS	3/8/2022	11,270,282
Worldpay, LLC	US	17/648,707	1/24/2022	Issued	SYSTEMS AND METHODS FOR NETWORK CONFIGURATIONS OF PIN PADS	12/05/2023	11,836,694
Worldpay, LLC	US	15/839,239	12/12/2017	Issued	SYSTEMS AND METHODS FOR OPTIMIZED ROUTING OF ELECTRONIC TRANSACTIONS ACROSS MULTIPLE ACQUIRER PROCESSORS	3/22/2022	11,282,075
Worldpay, LLC	US	17/650,916	2/14/2022	Issued	SYSTEMS AND METHODS FOR OPTIMIZED ROUTING OF ELECTRONIC TRANSACTIONS ACROSS MULTIPLE ACQUIRER PROCESSORS	8/29/2023	11,741,460
Worldpay, LLC	US	18/343,943	06/29/2023	Pending	SYSTEMS AND METHODS FOR OPTIMIZED ROUTING OF ELECTRONIC TRANSACTIONS ACROSS MULTIPLE ACQUIRER PROCESSORS		
Worldpay, LLC	US	16/826,590	3/23/2020	Issued	SYSTEMS AND METHODS FOR OPTIMIZED SETTLEMENT OF SPONSORED ELECTRONIC TRANSACTIONS	12/26/2023	11,854,000
Worldpay, LLC	US	18/348,538	07/07/2023	Pending	SYSTEMS AND METHODS FOR OPTIMIZING ELECTRONIC REFUND TRANSACTIONS FOR DETECTED FRAUDULENT TRANSACTIONS		
Worldpay, LLC	US	15/717,500	9/27/2017	Issued	SYSTEMS AND METHODS FOR OPTIMIZING TRANSACTION AUTHORIZATION CONVERSION RATE	3/31/2020	10,607,231
Worldpay, LLC	US	16/797,327	2/21/2020	Issued	SYSTEMS AND METHODS FOR OPTIMIZING TRANSACTION AUTHORIZATION CONVERSION	2/15/2022	11,250,441

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Worldpay, LLC	US	17/646,390	12/29/2021	Issued	RATE	6/27/2023	11,687,944
Worldpay, LLC	US	18/316,381	05/12/2023	Pending	SYSTEMS AND METHODS FOR OPTIMIZING TRANSACTION AUTHORIZATION CONVERSION RATE		
Worldpay, LLC	US	17/934,678	9/23/2022	Pending	SYSTEMS AND METHODS FOR OPTIMIZING TRANSACTION CONVERSION RATE USING MACHINE LEARNING		
Worldpay, LLC	US	15/814,674	11/16/2017	Issued	SYSTEMS AND METHODS FOR OPTIMIZING TRANSACTION CONVERSION RATE USING MACHINE LEARNING	11/22/2022	11,507,953
Worldpay, LLC	US	15/831,791	12/5/2017	Issued	SYSTEMS AND METHODS FOR OPTIMIZING TRANSACTION CONVERSION RATE USING MEASURED FEEDBACK	6/1/2021	11,023,897
Worldpay, LLC	US	17/302,351	4/30/2021	Issued	SYSTEMS AND METHODS FOR OPTIMIZING TRANSACTION CONVERSION RATE USING MEASURED FEEDBACK	05/09/2023	11,645,657
Worldpay, LLC	US	18/193,877	3/13/2023	Pending	SYSTEMS AND METHODS FOR OPTIMIZING TRANSACTION CONVERSION RATE USING MEASURED FEEDBACK		
Worldpay, LLC	US	15/380,486	12/15/2016	Issued	SYSTEMS AND METHODS FOR PARTIAL AUTHORIZATION OF ELECTRONIC TRANSACTIONS	2/4/2020	10,552,841
Worldpay, LLC	US	16/730,504	12/30/2019	Issued	SYSTEMS AND METHODS FOR PARTIAL AUTHORIZATION OF ELECTRONIC	6/29/2021	11,049,113

Current Assignee	Country Code	Application Number	Filing Date	Status	Title	Issue Date	Patent Number
Worldpay, LLC	US	16/827,255	3/23/2020	Issued	TRANSACTIONS SYSTEMS AND METHODS FOR PARTIAL AUTHORIZATION OF ELECTRONIC TRANSACTIONS	1/10/2023	11,551,234
Worldpay, LLC	US	17/328,300	5/24/2021	Issued	SYSTEMS AND METHODS FOR PARTIAL AUTHORIZATION OF ELECTRONIC TRANSACTIONS	7/18/2023	<u>11,704,676</u>
Worldpay, LLC	US	18/061,158	12/2/2022	Pending	SYSTEMS AND METHODS FOR PARTIAL AUTHORIZATION OF ELECTRONIC TRANSACTIONS		
Worldpay, LLC	US	18/326,224	05/31/2023	Pending	SYSTEMS AND METHODS FOR PARTIAL AUTHORIZATION OF ELECTRONIC TRANSACTIONS		
Worldpay, LLC	US	17/804,635	5/31/2022	Pending	SYSTEMS AND METHODS FOR PAYMENT MANAGEMENT FOR SUPPORTING MOBILE PAYMENTS		
Worldpay, LLC	US	14/046,912	10/4/2013	Issued	SYSTEMS AND METHODS FOR PAYMENT MANAGEMENT FOR SUPPORTING MOBILE PAYMENTS	10/15/2019	10,445,720
Worldpay, LLC	US	16/557,092	8/30/2019	Issued	SYSTEMS AND METHODS FOR PAYMENT MANAGEMENT FOR SUPPORTING MOBILE PAYMENTS	7/7/2020	10,706,407
Worldpay, LLC	US	16/887,824	5/29/2020	Issued	SYSTEMS AND METHODS FOR PAYMENT MANAGEMENT FOR SUPPORTING MOBILE PAYMENTS	7/5/2022	11,379,818
Worldpay, LLC	US	14/327,455	7/9/2014	Issued	SYSTEMS AND METHODS FOR PAYMENT PROCESSING ON PLATFORMS	10/1/2019	10,430,771

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Worldpay, LLC	US	16/546,531	8/21/2019	Issued	SYSTEMS AND METHODS FOR PAYMENT PROCESSING ON PLATFORMS	5/9/2023	<u>11,645,637</u>
Worldpay, LLC	US	18/194,806	4/3/2023	Pending	SYSTEMS AND METHODS FOR PAYMENT PROCESSING ON PLATFORMS		
Worldpay, LLC	US	17/936,057	9/28/2022	Pending	SYSTEMS AND METHODS FOR PAYMENT TRANSACTIONS, ALERTS, DISPUTE SETTLEMENT, AND SETTLEMENT PAYMENTS, USING MULTIPLE BLOCKCHAINS		
Worldpay, LLC	US	15/827,937	11/30/2017	Issued	SYSTEMS AND METHODS FOR PAYMENT TRANSACTIONS, ALERTS, DISPUTE SETTLEMENT, AND SETTLEMENT PAYMENTS, USING MULTIPLE BLOCKCHAINS	01/02/2024	11,861,619
Worldpay, LLC	US	13/858,428	4/8/2013	Issued	Systems and methods for performing funds freeze and/or funds seizure with respect to prepaid payment cards	6/24/2014	8,762,266
Worldpay, LLC	US	14/270,471	5/6/2014	Issued	Systems and methods for performing funds freeze and/or funds seizure with respect to prepaid payment cards	7/18/2017	9,710,810
Worldpay, LLC	US	15/619,018	6/9/2017	Issued	Systems and methods for performing funds freeze and/or funds seizure with respect to prepaid payment cards	10/2/2018	10,089,622
Worldpay, LLC	US	16/117,345	8/30/2018	Pending	SYSTEMS AND METHODS FOR PERFORMING FUNDS FREEZE AND/OR FUNDS SEIZURE WITH RESPECT TO PREPAID PAYMENT CARDS		
Worldpay, LLC	US	16/825,820	3/20/2020	Issued	SYSTEMS AND METHODS FOR PERFORMING FUNDS FREEZE AND/OR FUNDS SEIZURE WITH RESPECT TO PREPAID PAYMENT CARDS	7/26/2022	11,397,945
Worldpay, LLC	US	17/843,744	6/17/2022	Issued	SYSTEMS AND METHODS FOR PERFORMING FUNDS FREEZE AND/OR FUNDS SEIZURE WITH	12/05/2023	11,836,716

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Worldpay, LLC	US	15/381,833	12/16/2016	Issued	RESPECT TO PREPAID PAYMENT CARDS	9/28/2021	11,132,670
Worldpay, LLC	US	17/446,137	8/26/2021	Pending	SYSTEMS AND METHODS FOR PERFORMING PAYMENT TRANSACTIONS USING INDICIA-BASED ASSOCIATIONS BETWEEN USER INTERFACES		
Worldpay, LLC	US	17/732,877	4/29/2022	Pending	SYSTEMS AND METHODS FOR PERSONALIZED DINING AND INDIVIDUALIZED ORDERING BY ASSOCIATING ELECTRONIC DEVICE WITH DINING SESSION		
Worldpay, LLC	US	15/389,001	12/22/2016	Issued	SYSTEMS AND METHODS FOR PERSONALIZED DINING AND INDIVIDUALIZED ORDERING BY ASSOCIATING ELECTRONIC DEVICE WITH DINING SESSION	3/10/2020	10,586,293
Worldpay, LLC	US	16/774,589	1/28/2020	Issued	SYSTEMS AND METHODS FOR PERSONALIZED DINING AND INDIVIDUALIZED ORDERING BY ASSOCIATING ELECTRONIC DEVICE WITH DINING SESSION	5/31/2022	11,348,192
Worldpay, LLC	US	15/389,034	12/22/2016	Issued	Systems and methods for personalized dining checks and individualized payment by associating device with dining session	4/9/2019	10,255,645
Worldpay, LLC	US	16/227,682	12/20/2018	Issued	Systems and methods for personalized dining checks and individualized payment by associating device with dining session	2/16/2021	10,922,764
Worldpay, LLC	US	17/150,447	1/15/2021	Issued	SYSTEMS AND METHODS FOR PERSONALIZED	3/8/2022	11,270,394

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Worldpay, LLC	US	17/648,723	1/24/2022	Pending	SYSTEMS AND METHODS FOR PERSONALIZED TRANSACTIONS AND INDIVIDUALIZED PAYMENT BY ASSOCIATING DEVICE WITH JOINT TRANSACTION		
Worldpay, LLC	US	15/382,026	12/16/2016	Issued	SYSTEMS AND METHODS FOR PREDICTING CONSUMER SPENDING BEHAVIOR BASED ON HISTORICAL TRANSACTION ACTIVITY PROGRESSIONS	6/1/2021	11,023,909
Worldpay, LLC	US	17/236,171	4/21/2021	Pending	SYSTEMS AND METHODS FOR PREDICTING CONSUMER SPENDING BEHAVIOR BASED ON HISTORICAL TRANSACTION ACTIVITY PROGRESSIONS		
Worldpay, LLC	US	18/052,367	11/3/2022	Pending	SYSTEMS AND METHODS FOR PREDICTING USER ACTIVITY BASED ON HISTORICAL ACTIVITY INFORMATION		
Worldpay, LLC	US	17/834,677	6/7/2022	Pending	SYSTEMS AND METHODS FOR PREDICTIVE ANALYSIS OF ELECTRONIC TRANSACTION REPRESENTMENT DATA USING MACHINE LEARNING		
Worldpay, LLC	US	16/235,476	12/28/2018	Issued	SYSTEMS AND METHODS FOR PREPAID CARD FUNDING FOR SPONSORED PURCHASES	1/3/2023	11,544,698
Worldpay, LLC	US	18/060,166	11/30/2022	Pending	SYSTEMS AND METHODS FOR PREPAID CARD FUNDING FOR SPONSORED PURCHASES		
Worldpay, LLC	US	17662495	5/9/2022	Pending	SYSTEMS AND METHODS FOR PROCESSING A BATCH PAYMENT IN REAL-TIME PAYMENT		

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Worldpay, LLC	US	18061692	12/5/2022	Pending	SYSTEMS AND METHODS FOR PROCESSING A BATCH PAYMENT IN REAL-TIME PAYMENT NETWORK		
Worldpay, LLC	US	15/867,818	1/11/2018	Pending	SYSTEMS AND METHODS FOR REAL-TIME FRAUD AND ELECTRONIC TRANSACTION VALUE WEIGHTING		
Worldpay, LLC	US	15/843,022	12/15/2017	Issued	SYSTEMS AND METHODS FOR REAL-TIME PROCESSING AND TRANSMITTING OF HIGH-PRIORITY NOTIFICATIONS	7/28/2020	10,728,088
Worldpay, LLC	US	16/826,506	3/23/2020	Issued	SYSTEMS AND METHODS FOR REAL-TIME PROCESSING AND TRANSMITTING OF HIGH-PRIORITY NOTIFICATIONS	3/8/2022	11,271,802
Worldpay, LLC	US	17/587,176	1/28/2022	Issued	SYSTEMS AND METHODS FOR REAL-TIME PROCESSING AND TRANSMITTING OF HIGH-PRIORITY NOTIFICATIONS	6/13/2023	11,677,618
Worldpay, LLC	US	18/310,752	05/02/2023	Pending	SYSTEMS AND METHODS FOR REAL-TIME PROCESSING AND TRANSMITTING OF HIGH-PRIORITY NOTIFICATIONS		
Worldpay, LLC	US	15/368,162	12/2/2016	Issued	SYSTEMS AND METHODS FOR REGISTERING COMPUTER SERVER EVENT NOTIFICATIONS	6/11/2019	10,320,603
Worldpay, LLC	US	16/391,838	4/23/2019	Issued	SYSTEMS AND METHODS FOR REGISTERING COMPUTER SERVER EVENT NOTIFICATIONS	1/21/2020	10,541,859
Worldpay, LLC	US	16/696,656	11/26/2019	Issued	SYSTEMS AND METHODS FOR REGISTERING COMPUTER SERVER EVENT NOTIFICATIONS	11/2/2021	11,165,628
Worldpay, LLC	US	17/489,859	9/30/2021	Issued	SYSTEMS AND METHODS FOR REGISTERING	2/14/2023	11,582,085

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Worldpay, LLC	US	18/150,412	1/5/2023	Issued	COMPUTER SERVER EVENT NOTIFICATIONS		
Worldpay, LLC	US	18/150,412	1/5/2023	Issued	SYSTEMS AND METHODS FOR REGISTERING COMPUTER SERVER EVENT NOTIFICATIONS	12/12/2023	11,843,500
Worldpay, LLC	US	15/383,869	12/19/2016	Pending	SYSTEMS AND METHODS FOR ROUTING ELECTRONIC TRANSACTIONS USING NETWORK SIMULATION AND FORECASTING		
Worldpay, LLC	US	17/213,934	3/26/2021	Issued	SYSTEMS AND METHODS FOR ROUTING ELECTRONIC TRANSACTIONS USING NETWORK SIMULATION AND FORECASTING	1/10/2023	11,551,218
Worldpay, LLC	US	18/061,721	12/5/2022	Issued	SYSTEMS AND METHODS FOR ROUTING ELECTRONIC TRANSACTIONS USING NETWORK SIMULATION AND FORECASTING	10/17/2023	11,790,362
Worldpay, LLC	US	18/463,856	09/08/2023	Pending	SYSTEMS AND METHODS FOR ROUTING ELECTRONIC TRANSACTIONS USING NETWORK SIMULATION AND FORECASTING		
Worldpay, LLC	US	15/839,185	12/12/2017	Issued	Systems and methods for routing electronic transactions using predicted authorization approval	7/7/2020	10,706,393
Worldpay, LLC	US	16/855,574	4/22/2020	Issued	SYSTEMS AND METHODS FOR ROUTING ELECTRONIC TRANSACTIONS USING PREDICTED AUTHORIZATION APPROVAL	1/4/2022	11,216,789
Worldpay, LLC	US	16/855,624	4/22/2020	Issued	SYSTEMS AND METHODS FOR ROUTING ELECTRONIC TRANSACTIONS USING PREDICTED AUTHORIZATION APPROVAL	1/11/2022	11,222,317
Worldpay, LLC	US	17/452,522	10/27/2021	Issued	SYSTEMS AND METHODS FOR ROUTING ELECTRONIC TRANSACTIONS USING PREDICTED AUTHORIZATION APPROVAL	12/12/2023	11,842,326



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Worldpay, LLC	US	17/452,525	10/27/2022 1	Issued	SYSTEMS AND METHODS FOR ROUTING ELECTRONIC TRANSACTIONS USING PREDICTED AUTHORIZATION APPROVAL	12/05/2023	11,836,691
Worldpay, LLC	US	15/383,550	12/19/2016 6	Issued	SYSTEMS AND METHODS FOR ROUTING ELECTRONIC TRANSACTIONS USING PSEUDO-NETWORK SIMULATION	4/27/2021	10,990,972
Worldpay, LLC	US	15/333,900	10/25/2016 6	Issued	SYSTEMS AND METHODS FOR SECOND TAP E-RECEIPT OPTION FOR NFC-ENABLED PAYMENT VEHICLES	11/12/2019	10,475,005
Worldpay, LLC	US	16/600,223	10/11/2019 9	Issued	SYSTEMS AND METHODS FOR SECOND TAP E-RECEIPT OPTION FOR NFC-ENABLED PAYMENT VEHICLES	9/14/2021	11,120,412
Worldpay, LLC	US	17/402,901	8/16/2021	Issued	SYSTEMS AND METHODS FOR SECOND TAP E-RECEIPT OPTION FOR NFC-ENABLED PAYMENT VEHICLES	10/03/2023	11,775,944
Worldpay, LLC	US	18/458,321	08/30/2023 3	Pending	SYSTEMS AND METHODS FOR SECOND TAP E-RECEIPT OPTION FOR NFC-ENABLED PAYMENT VEHICLES		
Worldpay, LLC	US	15/656,605	7/21/2017	Pending	SYSTEMS AND METHODS FOR SECONDARY PAYMENT VEHICLE RULES		
Worldpay, LLC	US	14/470,895	8/27/2014	Issued	SYSTEMS AND METHODS FOR SECURE NORMATIVE INTERMEDIATION OF PAYMENTS PROCESSING PERIPHERALS	11/22/2022	11,507,950
Worldpay, LLC	US	18/057,466	11/21/2022 2	Pending	SYSTEMS AND METHODS FOR SECURE NORMATIVE INTERMEDIATION OF PAYMENTS PROCESSING PERIPHERALS		

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Worldpay, LLC	US	17/746,803	5/17/2022	Pending	SYSTEMS AND METHODS FOR SECURE ONLINE TRANSACTION		
Worldpay, LLC	US	17/935,725	9/27/2022	Pending	SYSTEMS AND METHODS FOR SHARED LEDGER FOR SUB-MERCHANT ONBOARDING		
Worldpay, LLC	US	16/578,614	9/23/2019	Pending	SYSTEMS AND METHODS FOR SHARED LEDGER FOR SUB-MERCHANT ONBOARDING		
Worldpay, LLC	US	15/837,449	12/11/2017	Issued	SYSTEMS AND METHODS FOR SIMULATION-BASED REPLAY OF INTEGRATED DEVICES	1/14/2020	10,534,680
Worldpay, LLC	US	16/704,125	12/5/2019	Issued	Systems and methods for simulation-based replay of integrated devices	1/11/2022	11,221,930
Worldpay, LLC	US	17/457,877	12/6/2021	Issued	SYSTEMS AND METHODS FOR SIMULATION-BASED REPLAY OF INTEGRATED DEVICES	8/1/2023	11,714,735
Worldpay, LLC	US	18/335,635	06/15/2023	Pending	SYSTEMS AND METHODS FOR SIMULATION-BASED REPLAY OF INTEGRATED DEVICES		
Worldpay, LLC	US	16/995,317	8/17/2020	Issued	SYSTEMS AND METHODS FOR SINGLE MESSAGE TRANSACTIONS WITH BATCH SETTLEMENT	1/3/2023	11,544,709
Worldpay, LLC	US	18/061,144	12/2/2022	Pending	SYSTEMS AND METHODS FOR SINGLE MESSAGE TRANSACTIONS WITH BATCH SETTLEMENT		
Worldpay, LLC	US	15/394,118	12/29/2016	Pending	SYSTEMS AND METHODS FOR STORING AND FORWARDING PAYMENT TRANSACTIONS		
Worldpay, LLC	US	17/843,249	6/17/2022	Issued	SYSTEMS AND METHODS FOR SUBSCRIBING TOPICS AND REGISTERING COMPUTER SERVER EVENT NOTIFICATIONS	5/30/2023	11,665,045
Worldpay, LLC	US	15/368,130	12/2/2016	Issued	SYSTEMS AND METHODS FOR SUBSCRIBING TOPICS AND REGISTERING COMPUTER SERVER	4/21/2020	10,630,534

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Worldpay, LLC	US	16/811,057	3/6/2020	Issued	EVENT NOTIFICATIONS		
Worldpay, LLC	US	16/811,057	3/6/2020	Issued	SYSTEMS AND METHODS FOR SUBSCRIBING TOPICS AND REGISTERING COMPUTER SERVER EVENT NOTIFICATIONS	6/1/2021	11,025,479
Worldpay, LLC	US	17/242,367	4/28/2021	Issued	SYSTEMS AND METHODS FOR SUBSCRIBING TOPICS AND REGISTERING COMPUTER SERVER EVENT NOTIFICATIONS	7/26/2022	11,398,942
Worldpay, LLC	US	18/303,156	04/19/2023	Pending	SYSTEMS AND METHODS FOR SUBSCRIBING TOPICS AND REGISTERING COMPUTER SERVER EVENT NOTIFICATIONS		
Worldpay, LLC	US	16/717,620	12/17/2019	Issued	SYSTEMS AND METHODS FOR SUBSTITUTE CONTROLLED-USE TOKENS IN SECURE NETWORK TRANSACTIONS	2/1/2022	11,238,446
Worldpay, LLC	US	15/283,865	10/3/2016	Issued	SYSTEMS AND METHODS FOR SUBSTITUTE LOW-VALUE TOKENS IN SECURE NETWORK TRANSACTIONS	1/28/2020	10,546,292
Worldpay, LLC	US	17/555,124	12/17/2021	Issued	SYSTEMS AND METHODS FOR SUBSTITUTE LOW-VALUE TOKENS IN SECURE NETWORK TRANSACTIONS	7/11/2023	11,699,149
Worldpay, LLC	US	18/322,229	05/23/2023	Pending	SYSTEMS AND METHODS FOR SUBSTITUTE LOW-VALUE TOKENS IN SECURE NETWORK TRANSACTIONS		
Worldpay, LLC	US	15/827,479	11/30/2017	Issued	SYSTEMS AND METHODS FOR THIRD PARTY PAYMENT AT POINT OF SALE TERMINALS	3/17/2020	10,592,874
Worldpay, LLC	US	16/552,716	8/27/2019	Issued	SYSTEMS AND METHODS FOR THIRD PARTY PAYMENT AT POINT OF SALE TERMINALS	9/28/2021	11,132,654

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Worldpay, LLC	US	17/446,128	8/26/2021	Pending	SYSTEMS AND METHODS FOR THIRD PARTY PAYMENT AT POINT OF SALE TERMINALS		
Worldpay, LLC	US	15/368,093	12/2/2016	Issued	SYSTEMS AND METHODS FOR THIRD-PARTY INTEROPERABILITY IN SECURE NETWORK TRANSACTIONS USING TOKENIZED DATA	9/3/2019	10,404,703
Worldpay, LLC	US	16/517,008	7/19/2019	Issued	SYSTEMS AND METHODS FOR THIRD-PARTY INTEROPERABILITY IN SECURE NETWORK TRANSACTIONS USING TOKENIZED DATA	8/31/2021	11,108,778
Worldpay, LLC	US	17/382,726	7/22/2021	Issued	SYSTEMS AND METHODS FOR THIRD-PARTY INTEROPERABILITY IN SECURE NETWORK TRANSACTIONS USING TOKENIZED DATA	10/03/2023	11,777,937
Worldpay, LLC	US	18/458,311	08/30/202	Pending	SYSTEMS AND METHODS FOR THIRD-PARTY INTEROPERABILITY IN SECURE NETWORK TRANSACTIONS USING TOKENIZED DATA		
Worldpay, LLC	US	15/380,498	12/15/201	Issued	SYSTEMS AND METHODS FOR TONE TO TOKEN TELECOMMUNICATIONS PLATFORM	1/8/2019	10,176,472
Worldpay, LLC	US	16/204,103	11/29/201	Issued	SYSTEMS AND METHODS FOR TONE TO TOKEN TELECOMMUNICATIONS PLATFORM	5/12/2020	10,650,370
Worldpay, LLC	US	16/843,154	4/8/2020	Issued	SYSTEMS AND METHODS FOR TONE TO TOKEN TELECOMMUNICATIONS PLATFORM	4/19/2022	11,308,475
Worldpay, LLC	US	17/693,631	3/14/2022	Pending	SYSTEMS AND METHODS FOR TONE TO TOKEN TELECOMMUNICATIONS PLATFORM		
Worldpay, LLC	US	15/382,201	12/16/201	Issued	SYSTEMS AND METHODS FOR TRACKING CONSUMER ELECTRONIC SPEND BEHAVIOR TO PREDICT ATTRITION	6/29/2021	11,049,121

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Worldpay, LLC	US	17/330,467	5/26/2021	Pending	SYSTEMS AND METHODS FOR TRACKING CONSUMER ELECTRONIC SPEND BEHAVIOR TO PREDICT ATTRITION		
Worldpay, LLC	US	17/935,586	9/27/2022	Pending	SYSTEMS AND METHODS FOR TRACKING CONSUMER SPEND BEHAVIORS		
Worldpay, LLC	US	14/989,863	1/7/2016	Pending	SYSTEMS AND METHODS FOR TRACKING CONSUMER SPEND BEHAVIORS		
Worldpay, LLC	US	15/854,435	12/26/2017	Pending	SYSTEMS AND METHODS FOR TRANSACTION AUTHORIZATION BASED ON TENDER SWITCHING SCORING		
Worldpay, LLC	US	15/247,437	8/25/2016	Issued	SYSTEMS AND METHODS FOR TRANSLATING DATA READ FROM PROXY APIS INTO COMPUTING CODE	10/23/2018	10,108,399
Worldpay, LLC	US	16/124,883	9/7/2018	Issued	SYSTEMS AND METHODS FOR TRANSLATING DATA READ FROM PROXY APIS INTO COMPUTING CODE	1/14/2020	10,534,583
Worldpay, LLC	US	16/705,401	12/6/2019	Issued	SYSTEMS AND METHODS FOR TRANSLATING DATA READ FROM PROXY APIS INTO COMPUTING CODE	2/23/2021	10,929,104
Worldpay, LLC	US	17/155,703	1/22/2021	Issued	SYSTEMS AND METHODS FOR TRANSLATING DATA READ FROM PROXY APIS INTO COMPUTING CODE	6/7/2022	11,354,099
Worldpay, LLC	US	17/735,690	5/3/2022	Issued	SYSTEMS AND METHODS FOR TRANSLATING DATA READ FROM PROXY APIS INTO COMPUTING CODE	7/11/2023	11,698,774
Worldpay, LLC	US	18/323,773	05/25/20	Pending	SYSTEMS AND METHODS FOR TRANSLATING DATA READ FROM PROXY APIS INTO		

Current Assignee	Country Code	Application Number	Filing Date	Status	Title	Issue Date	Patent Number
			23		COMPUTING CODE		
Worldpay, LLC	US	15/695,226	9/5/2017	Pending	SYSTEMS AND METHODS FOR USING CARDHOLDER PRESENCE ATTRIBUTES FOR SECURE AUTHORIZATION		
Worldpay, LLC	US	17/956,062	9/29/2022	Pending	SYSTEMS AND METHODS FOR USING SHARED DATABASES FOR MANAGING SUPPLEMENTAL PAYMENT SOURCES		
Worldpay, LLC	US	15/261,093	9/9/2016	Issued	SYSTEMS AND METHODS FOR USING SHARED DATABASES FOR MANAGING SUPPLEMENTAL PAYMENT SOURCES	9/3/2019	10,402,829
Worldpay, LLC	US	16/515,414	7/18/2019	Issued	SYSTEMS AND METHODS FOR USING SHARED DATABASES FOR MANAGING SUPPLEMENTAL PAYMENT SOURCES	4/13/2021	10,977,658
Worldpay, LLC	US	17/195,791	3/9/2021	Pending	SYSTEMS AND METHODS FOR USING SHARED DATABASES FOR MANAGING SUPPLEMENTAL PAYMENT SOURCES		
Worldpay, LLC	US	16/913,846	6/26/2020	Issued	Systems and methods to configure pin pad for additional payment vehicle types	8/31/2021	11,108,631
Worldpay, LLC	US	16/225,317	12/19/2018	Issued	SYSTEMS AND METHODS TO CONFIGURE PIN PAD FOR MICROPROCESSOR-ENABLED AND CONTACTLESS PAYMENT VEHICLES	8/24/2021	11,102,068
Worldpay, LLC	US	17/443,266	7/23/2021	Issued	SYSTEMS AND METHODS TO CONFIGURE PIN PAD FOR MICROPROCESSOR-ENABLED AND CONTACTLESS PAYMENT VEHICLE	7/26/2022	11,398,950
Worldpay, LLC	US	17/845,224	6/21/2022	Issued	SYSTEMS AND METHODS TO CONFIGURE PIN PAD FOR MICROPROCESSOR-ENABLED AND CONTACTLESS PAYMENT VEHICLE	1/3/2023	11,546,214

Current Assignee	Country Code	Application Number	Filing Date	Status	Title	Issue Date	Patent Number
Worldpay, LLC	US	18/061,622	12/5/2022	Pending	SYSTEMS AND METHODS TO CONFIGURE PIN PAD FOR MICROPROCESSOR-ENABLED AND CONTACTLESS PAYMENT VEHICLE		
Worldpay, LLC	US	16/251,890	1/18/2019	Issued	SYSTEMS AND METHODS TO PROVIDE USER VERIFICATION IN A SHARED USER ENVIRONMENT VIA A DEVICE-SPECIFIC DISPLAY	3/22/2022	11,282,066
Worldpay, LLC	US	17/570,192	1/6/2022	Issued	SYSTEMS AND METHODS TO PROVIDE USER VERIFICATION IN A SHARED USER ENVIRONMENT VIA A DEVICE-SPECIFIC DISPLAY	7/11/2023	11,699,144
Worldpay, LLC	US	18/052,041	11/2/2022	Pending	SYSTEMS AND METHODS TO PROVIDE USER VERIFICATION IN A SHARED USER ENVIRONMENT VIA A DEVICE-SPECIFIC DISPLAY		
Worldpay, LLC	US	18/323,605	05/25/2023	Pending	SYSTEMS AND METHODS TO PROVIDE USER VERIFICATION IN A SHARED USER ENVIRONMENT VIA A DEVICE-SPECIFIC DISPLAY		
Worldpay, LLC	US	13/599,538	8/30/2012	Issued	SYSTEMS, METHODS AND APPARATUS FOR PAYMENT PROCESSING	4/29/2014	8,712,854
Worldpay, LLC	US	14/203,734	3/11/2014	Issued	SYSTEMS, METHODS AND APPARATUS FOR PAYMENT TERMINAL MANAGEMENT	3/13/2018	9,916,567
Worldpay, LLC	US	15/875,537	1/19/2018	Issued	SYSTEMS, METHODS AND APPARATUS FOR PAYMENT TERMINAL MANAGEMENT	3/5/2019	10,223,686
Worldpay, LLC	US	16/227,447	12/20/2018	Issued	SYSTEMS, METHODS AND APPARATUS FOR PAYMENT TERMINAL MANAGEMENT	12/17/2019	10,510,060

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Worldpay, LLC	US	16/679,636	11/11/2019	Issued	SYSTEMS, METHODS AND APPARATUS FOR PAYMENT TERMINAL MANAGEMENT	4/27/2021	10,990,953
Worldpay, LLC	US	17/213,053	3/25/2021	Issued	SYSTEMS, METHODS AND APPARATUS FOR PAYMENT TERMINAL MANAGEMENT	6/6/2023	11,669,837
Worldpay, LLC	US	18/309,921	05/01/2023	Pending	SYSTEMS, METHODS AND APPARATUS FOR PAYMENT TERMINAL MANAGEMENT		
Worldpay, LLC	US	13/653,443	10/17/2012	Issued	SYSTEMS, METHODS AND APPARATUS FOR VARIABLE SETTLEMENT ACCOUNTS	4/15/2014	8,700,525
Worldpay, LLC	US	14/189,060	2/25/2014	Issued	SYSTEMS, METHODS AND APPARATUS FOR VARIABLE SETTLEMENT ACCOUNTS	5/8/2018	9,965,749
Worldpay, LLC	US	15/944,194	4/3/2018	Issued	SYSTEMS, METHODS AND APPARATUS FOR VARIABLE SETTLEMENT ACCOUNTS	2/9/2021	10,915,871
Worldpay, LLC	US	17/102,941	11/24/2020	Issued	SYSTEMS, METHODS AND APPARATUS FOR VARIABLE SETTLEMENT ACCOUNTS	7/18/2023	11,704,633
Worldpay, LLC	US	18/326,197	05/31/2023	Pending	SYSTEMS, METHODS AND APPARATUS FOR VARIABLE SETTLEMENT ACCOUNTS		
Worldpay, LLC	US	14/734,052	6/9/2015	Issued	Technologies for attributing electronic transactions to targeted electronic content distribution campaigns	8/13/2019	10,380,625
Worldpay, LLC	US	16/459,100	7/1/2019	Issued	TECHNOLOGIES FOR ATTRIBUTING ELECTRONIC TRANSACTIONS TO TARGETED ELECTRONIC CONTENT DISTRIBUTION CAMPAIGNS	7/5/2022	11,379,872
Worldpay, LLC	US	17/827,131	5/27/2022	Issued	TECHNOLOGIES FOR ATTRIBUTING ELECTRONIC TRANSACTIONS TO TARGETED ELECTRONIC CONTENT DISTRIBUTION CAMPAIGNS	8/1/2023	11,715,129



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Worldpay, LLC	US	18/335,468	06/15/2022 3	Pending	TECHNOLOGIES FOR ATTRIBUTING ELECTRONIC TRANSACTIONS TO TARGETED ELECTRONIC CONTENT DISTRIBUTION CAMPAIGNS		
Worldpay, LLC	US	17/814,967	7/26/2022	Pending	TECHNOLOGIES FOR CONVERSION OF ACQUIRER FILES FOR BIG DATA INGESTION		
Worldpay, LLC	US	14/990,055	1/7/2016	Issued	TECHNOLOGIES FOR CONVERSION OF MAINFRAME FILES FOR BIG DATA INGESTION	9/6/2022	11,438,412
Worldpay, LLC	US	14/991,265	1/8/2016	Issued	Technologies for enhanced credit transactions	5/28/2019	10,304,071
Worldpay, LLC	US	16/390,285	4/22/2019	Issued	Technologies for enhanced credit transactions	1/12/2021	10,891,645
Worldpay, LLC	US	17/078,682	10/23/2020	Pending	TECHNOLOGIES FOR ENHANCED CREDIT TRANSACTIONS		
Worldpay, LLC	US	16/229,912	12/21/2018	Issued	TECHNOLOGIES FOR ENHANCED PAYMENT TRANSACTIONS	11/9/2021	11,170,396
Worldpay, LLC	US	17/449,485	9/30/2021	Pending	TECHNOLOGIES FOR ENHANCED PAYMENT TRANSACTIONS		
Worldpay, LLC	US	15/389,533	12/23/2016	Issued	TECHNOLOGIES FOR PREPROCESSING TRANSACTION AUTHORIZATION RECORDS	9/17/2019	10,417,639
Worldpay, LLC	US	16/527,367	7/31/2019	Issued	TECHNOLOGIES FOR PREPROCESSING TRANSACTION AUTHORIZATION RECORDS	7/13/2021	11,062,318
Worldpay, LLC	US	17/348,124	6/15/2021	Issued	TECHNOLOGIES FOR PREPROCESSING TRANSACTION AUTHORIZATION RECORDS	8/22/2023	11,734,469
Worldpay, LLC	US	18/342,426	06/27/2022 3	Pending	TECHNOLOGIES FOR PREPROCESSING TRANSACTION AUTHORIZATION RECORDS		

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Worldpay, LLC	US	17/895,664	8/25/2022	Issued	TECHNOLOGIES FOR TOKEN-BASED AUTHENTICATION AND AUTHORIZATION OF DISTRIBUTED COMPUTING RESOURCES	8/22/2023	11,736,467
Worldpay, LLC	US	15/162,936	5/24/2016	Issued	TECHNOLOGIES FOR TOKEN-BASED AUTHENTICATION AND AUTHORIZATION OF DISTRIBUTED COMPUTING RESOURCES	8/7/2018	10,044,701
Worldpay, LLC	US	16/456,245	6/28/2019	Issued	TECHNOLOGIES FOR TOKEN-BASED AUTHENTICATION AND AUTHORIZATION OF DISTRIBUTED COMPUTING RESOURCES	2/23/2021	10,931,657
Worldpay, LLC	US	17/154,814	1/21/2021	Issued	TECHNOLOGIES FOR TOKEN-BASED AUTHENTICATION AND AUTHORIZATION OF DISTRIBUTED COMPUTING RESOURCES	10/4/2022	11,463,427
Worldpay, LLC	US	18/343,188	06/28/2023	Pending	TECHNOLOGIES FOR TOKEN-BASED AUTHENTICATION AND AUTHORIZATION OF DISTRIBUTED COMPUTING RESOURCES		
Worldpay, LLC	US	16/010,869	06/18/2018	Issued	TECHNOLOGIES FOR TOKEN-BASED AUTHENTICATION AND AUTHORIZATION OF DISTRIBUTED COMPUTING RESOURCES	08/13/2019	10,382,425
Worldpay, LLC	US	13/117,599	5/27/2011	Issued	TOKENIZING SENSITIVE DATA	1/27/2015	8,943,574
Worldpay, LLC	US	14/563,076	12/8/2014	Issued	Tokenizing sensitive data	10/10/2017	9,785,938
Worldpay, LLC	US	15/696,626	9/6/2017	Issued	TOKENIZING SENSITIVE DATA	9/4/2018	10,068,229
Worldpay, LLC	US	16/057,450	8/7/2018	Issued	TOKENIZING SENSITIVE DATA	11/26/2019	10,489,784
Worldpay, LLC	US	16/657,578	10/18/2019	Issued	TOKENIZING SENSITIVE DATA	11/2/2021	11,164,183

Current Assignee	Country Code	Application Number	Filing Date	Status	Title	Issue Date	Patent Number
Worldpay, LLC	US	17/491,097	9/30/2021	Issued	TOKENIZING SENSITIVE DATA	01/02/2024	11,861,603
Worldpay, LLC	US	17/956,279	9/29/2022	Pending	USER INTERFACES FOR USING SHARED DATABASES FOR MANAGING SUPPLEMENTAL PAYMENT SOURCES		
Worldpay, LLC	US	15/260,969	9/9/2016	Issued	USER INTERFACES FOR USING SHARED DATABASES FOR MANAGING SUPPLEMENTAL PAYMENT SOURCES	9/24/2019	10,423,947
Worldpay, LLC	US	16/534,300	8/7/2019	Issued	USER INTERFACES FOR USING SHARED DATABASES FOR MANAGING SUPPLEMENTAL PAYMENT SOURCES	4/27/2021	10,990,952
Worldpay, LLC	US	17/209,949	3/23/2021	Issued	USER INTERFACES FOR USING SHARED DATABASES FOR MANAGING SUPPLEMENTAL PAYMENT SOURCES	12/19/2023	11,847,628
Worldpay US, LLC <sup>9</sup>	US	14/808,962	7/24/2015	Issued	WIRELESS DATA COMMUNICATION INTERFACE	7/30/2019	10,366,377
Worldpay US, LLC <sup>10</sup>	US	16/456,435	6/28/2019	Issued	WIRELESS DATA COMMUNICATION INTERFACE	4/13/2021	10,977,636
Worldpay US, LLC <sup>11</sup>	US	17/194,922	3/8/2021	Issued	WIRELESS DATA COMMUNICATION INTERFACE	5/17/2022	11,334,860
Worldpay US, LLC <sup>12</sup>	US	17/721,818	4/15/2022	Pending	WIRELESS DATA COMMUNICATION INTERFACE		

<sup>9</sup> Grantor is an LLC. Conversion from a corp. to an LLC to be filed with the USPTO

<sup>10</sup> Grantor is an LLC. Conversion from a corp. to an LLC to be filed with the USPTO

<sup>11</sup> Grantor is an LLC. Conversion from a corp. to an LLC to be filed with the USPTO

<sup>12</sup> Grantor is an LLC. Conversion from a corp. to an LLC to be filed with the USPTO

Current Assignee	Country Code	Application Number	Filing Date	Status	Title	Issue Date	Patent Number
Worldpay US, LLC <sup>13</sup>	US	18/240,788	08/31/2023	Pending	WIRELESS DATA COMMUNICATION INTERFACE		
Worldpay, LLC	US	29/880,816	07/27/2023	Pending	DISPLAY SCREEN WITH GRAPHICAL USER INTERFACE		
Worldpay, LLC	US	29/910,576	08/22/2023	Pending	DISPLAY SCREEN WITH GRAPHICAL USER INTERFACE		
Worldpay, LLC	US	29/910,579	08/22/2023	Pending	DISPLAY SCREEN WITH GRAPHICAL USER INTERFACE		
Worldpay, LLC	US	18/336,225	06/16/2023	Pending	SYSTEMS AND METHODS FOR EXECUTING REAL-TIME RECONCILIATION AND NOTIFICATION OF ELECTRONIC TRANSACTIONS		
Worldpay, LLC	US	17/036,486	9/29/2020	Pending	SYSTEMS AND METHODS FOR EXECUTING PARALLEL ELECTRONIC TRANSACTIONS		

<sup>13</sup> Grantor is an LLC. Conversion from a corp. to an LLC to be filed with the USPTO


**SCHEDULE B**

**TRADEMARKS<sup>14</sup>**

Owner	Trademark	Logo	Country	Application No	Application Date	Registration No	Registration Date	Trademark Status
Worldpay, LLC	3DS FLEX		United States of America	97722507	Dec 19 2022	7,133,295	Aug 8 2023	Registered
Worldpay, LLC	A2A4B2B		United States of America	97162745	Dec 8 2021			Pending Intent to Use
Worldpay, LLC	AUTHMAX		United States of America	88/914,356	May 13 2020	6,264,589	Feb 9 2021	Registered
Worldpay, LLC	BENEFITS2U		United States of America	77057047	Dec 5 2006	6604318	Jan 4 2022	Registered
Worldpay, LLC	BIZBUZ		United States of America	86848484	Dec 14 2015	5443774	Apr 10 2018	Registered
Worldpay, LLC	CASH REWARDS2U		United States of America	77281858	Sep 18 2007	3435030	May 27 2008	Registered
Worldpay, LLC	DESIGN IT! PHOTOCARD		United States of America	77/688,276	Mar 11 2009	3,939,459	Apr 5 2011	Registered

<sup>14</sup> NTD: For each trademark registration or application listed below with an asterisk (\*), such registration or application has been abandoned or is scheduled for non-renewal and abandonment, and no representation or warranty is made with respect to such marks.

Owner	Trademark	Logo	Country	Application No	Application Date	Registration No	Registration Date	Trademark Status
Worldpay, LLC	EPROTECT		United States of America	86895525	Feb 3 2016	5268811	Aug 22 2017	Registered
Worldpay, LLC	FRAUDSIGHT		United States of America	88208827	Nov 28 2018	5875774	Oct 1 2019	Registered
Worldpay, LLC	GOCART		United States of America	90/135,997	Aug 25 2020	6,503,903	Sep 28 2021	Registered
Worldpay, LLC	GOTOMYCAR D.COM		United States of America	76205056	Feb. 05, 2001	2813446	Feb. 10, 2004	Registered
Worldpay, LLC	IQ & Design		United States of America	86554516	Mar 5 2015	5335777	Nov 14 2017	Registered
Worldpay, LLC	JEANIE		United States of America	85/528,827	Jan 30 2012	4,426,114	Oct 29 2013	Registered
Worldpay, LLC	JEANIE (& Starburst Design)		United States of America	77136201	Mar 21 2007	3481501	Aug 5 2008	Registered
Valuec Card Solutions, LLC	JUMPSTART		United States of America	78/318,502	Oct 24 2003	3,078,471	Apr 11 2006	Registered
Valuec Card Solutions, LLC	LAUNCHBOX		United States of America	78/318,507	Oct 24 2003	3,078,472	Apr 11 2006	Registered

Owner	Trademark	Logo	Country	Application No	Application Date	Registration No	Registration Date	Trademark Status
Link2Gov LLC <sup>15</sup>	LINK2GOV		United States of America	78/144,989	Jul 17 2002	3,052,958	Jan 31 2006	Registered
Worldpay, LLC	MOBIMONEY		United States of America	86/230,610	Mar 24 2014	5,146,987	Feb 21 2017	Registered
Link2Gov LLC <sup>16</sup>	MP Logo		United States of America	87/357,874	Mar 3 2017	6,096,721	Jul 7 2020	Registered
Worldpay Integrated Payments Solutions LLC <sup>17</sup>	MTOKEN		United States of America	85111635	Aug 19 2010	4074920	Dec 20 2011	Registered
Link2Gov LLC <sup>18</sup>	MULTIPAY		United States of America	87/370,805	Mar 14 2017	5,829,356	Aug 6 2019	Registered
Link2Gov LLC <sup>19</sup>	MULTIPAY		United States of America	87/377,616	Mar 20 2017	5,829,357	Aug 6 2019	Registered


<sup>15</sup> Grantor is an LLC. Conversion to an LLC to be filed with the USPTO

<sup>16</sup> Grantor is an LLC. Conversion to an LLC to be filed with the USPTO

<sup>17</sup> Grantor is an LLC. Conversion to an LLC to be filed with the USPTO

<sup>18</sup> Grantor is an LLC. Conversion to an LLC to be filed with the USPTO

<sup>19</sup> Grantor is an LLC. Conversion to an LLC to be filed with the USPTO

Owner	Trademark	Logo	Country	Application No	Application Date	Registration No	Registration Date	Trademark Status
Link2Gov LLC <sup>20</sup>	MULTIPAY Logo		United States of America	871358,004	Mar 3 2017	5,829,349	Aug 6 2019	Registered
Worldpay ISO and eCommerce, LLC <sup>21</sup>	NATIONAL PROCESSING COMPANY		United States of America	77039017	Nov 7 2006	3390710	Mar 4 2008	Registered
Worldpay ISO and eCommerce, LLC <sup>22</sup>	NPC		United States of America	73459254	Jan 3 1984	1307418	Nov 27 1984	Registered
Worldpay ISO and eCommerce, LLC <sup>23</sup>	NPC		United States of America	86499284	Jan 9 2015	4962463	May 24 2016	Registered
Worldpay, LLC	O.N.E. TECHTRIBE*		United States of America	87115186	Jul 25 2016	5257685	Aug 1 2017	Registered
Worldpay, LLC	OMNITOKEN		United States of America	86407479	Sep 26 2014	4791991	Aug 11 2015	Registered

<sup>20</sup> Grantor is an LLC. Conversion to an LLC to be filed with the USPTO

<sup>21</sup> Name change/conversion from Worldpay ISO Inc. to be filed with USPTO

<sup>22</sup> Name change/conversion from Worldpay ISO Inc. to be filed with USPTO

<sup>23</sup> Name change/conversion from Worldpay ISO Inc. to be filed with USPTO



Owner	Trademark	Logo	Country	Application No	Application Date	Registration No	Registration Date	Trademark Status
Link2Gov LLC <sup>24</sup>	PAY1040		United States of America	76/416,165	May 31 2002	2,757,362	Aug 26 2003	Registered
Link2Gov LLC <sup>25</sup>	PAY1040COM & Design		United States of America	76/467,146	Nov 14 2002	2,872,356	Aug 10 2004	Registered
Worldpay, LLC	PAYFAC		United States of America	85905826	Apr 16 2013	4777673	Jul 21 2015	Registered
Worldpay, LLC	PAYMENTSSED GE		United States of America	90776846	Jun 16 2021	6778981	Jul 5 2022	Registered
Worldpay, LLC	PAYMENTSSED GE ADVISORY SERVICES		United States of America	87178804	Sep 21 2016	5342145	Nov 21 2017	Registered
Paymetric LLC <sup>26</sup>	PAYMETRIC		United States of America	78600424	Apr 1 2005	3071066	Mar 21 2006	Registered
Payrix Holdings LLC	PAYRIX		United States of America	90853791	Jul 28 2021			Pending Intent to Use

<sup>24</sup> Grantor is an LLC. Conversion to an LLC to be filed with the USPTO

<sup>25</sup> Grantor is an LLC. Conversion to an LLC to be filed with the USPTO


<sup>26</sup> Grantor is an LLC. Conversion to an LLC to be filed with the USPTO

Owner	Trademark	Logo	Country	Application No	Application Date	Registration No	Registration Date	Trademark Status
Pazien LLC <sup>27</sup>	PAZIEN		United States of America	86/299,263	Jun 3 2014	4,787,135	Aug 4 2015	Registered
Worldpay, LLC	POS TODAY		United States of America	86848491	Dec 14 2015	5577927	Oct 9 2018	Registered
Worldpay, LLC	REALNET		United States of America	90/135,951	Aug 25 2020	6,442,946	Aug 3 2021	Registered
Worldpay, LLC	RETRIEVER AMERICAS' PAYMENT SYSTEMS AUTHORITY		United States of America	75184549	Oct 21 1996	2142148	Mar 10 1998	Registered Section 66(a)
Worldpay ISO and eCommerce, LLC <sup>28</sup>	RETRIEVER AMERICAS' PAYMENT SYSTEMS AUTHORITY & Design		United States of America	78438946	Jun 21 2004	3072818	Mar 28 2006	Registered
Worldpay ISO and eCommerce, LLC <sup>29</sup>	RETRIEVER PAYMENT SYSTEMS		United States of America	75194674	Nov 7 1996	2119553	Dec 9 1997	Registered

<sup>27</sup> Grantor is an LLC. Conversion from a corporation to LLC to be filed with the USPTO

<sup>28</sup> Name change/conversion from Worldpay ISO Inc. to be filed with USPTO

<sup>29</sup> Name change/conversion from Worldpay ISO Inc. to be filed with USPTO

Owner	Trademark	Logo	Country	Application No	Application Date	Registration No	Registration Date	Trademark Status
Worldpay, LLC	REWARDS 2U		United States of America	78310790	Oct 8 2003	2908571	Dec 7 2004	Registered
Worldpay, LLC	RISKGUARDIAN		United States of America	79/137,607	Sep 20 2013	4,566,045	Jul 15 2014	Registered Section 66(a)
Worldpay, LLC	SCOREWORKS		United States of America	78476549	Aug 31 2004	3545053	Dec 9 2008	Registered
Worldpay, LLC	SHOPTALK*		United States of America	86751761	Sep 9 2015	5172328	Mar 28 2017	Registered
Worldpay, LLC	SMARTPAY SERIES		United States of America	87471245	Jun 1 2017	5704006	Mar 19 2019	Registered
Worldpay, LLC	Starburst Design		United States of America	85/529,445	Jan 31 2012	4,426,117	Oct 29 2013	Registered
Worldpay Integrated Payments Solutions LLC <sup>30</sup>	TRANSFORM		United States of America	85279815	May 29 2011	4079452	Jan 3 2012	Registered

<sup>30</sup> Grantor is an LLC. Conversion to an LLC to be filed with the USPTO

Owner	Trademark	Logo	Country	Application No	Application Date	Registration No	Registration Date	Trademark Status
Worldpay Integrated Payments Solutions LLC <sup>31</sup>	TRIPOS		United States of America	85845999	Feb 11 2013	4500557	Mar 25 2014	Registered
Valutee Card Solutions, LLC	VALUTEC		United States of America	78318,494	Oct 24 2003	2,905,072	Nov 23 2004	Registered
Worldpay, LLC	VANTIV IQ*		United States of America	86551752	Mar 3 2015	5335773	Nov 14 2017	Registered
Worldpay, LLC	VIABLE		United States of America	86232813	Mar 26 2014	4960738	May 17 2016	Registered
Worldpay, LLC	VIP ACCESS		United States of America	76143897	Oct 9 2000	2618794	Sep 10 2002	Registered
Worldpay, LLC	VIP CARDSTATION		United States of America	78580056	Mar 4 2005	3749842	Feb 16 2010	Registered
Worldpay, LLC	VIP EXCHANGE		United States of America	76205105	Feb 5 2001	2699410	Mar 25 2003	Registered
Worldpay, LLC	VIP PAY		United States of America	76143895	Oct 9 2000	2676303	Jan 21 2003	Registered

<sup>31</sup> Grantor is an LLC. Conversion to an LLC to be filed with the USPTO

Owner	Trademark	Logo	Country	Application No	Application Date	Registration No	Registration Date	Trademark Status
Worldpay, LLC	VIP PORTFOLIO PRO		United States of America	77103425	Sep 9 2007	3400822	Mar 25 2008	Registered
Worldpay, LLC	VIP REPORTS*		United States of America	76143896	Oct 9 2000	2768606	Sep 30 2003	Registered
Worldpay, LLC	VIP SOLUTIONS		United States of America	76180602	Dec 12 2000	2714989	May 13 2003	Registered
Worldpay, LLC	WORLDPAY		United States of America	75346982	Aug 26 1997	2,414,305	Dec 19 2000	Registered
Worldpay, LLC	WORLDPAY		United States of America	75346976	Aug 26 1997	2245337	May 18 1999	Registered
Worldpay, LLC	WORLDPAY		United States of America	79121,725	Apr 5 2012	4,430,548	Nov 12 2013	Registered Section 66(a)
Worldpay, LLC	WORLDPAY		United States of America	79157833	Mar 26 2014	4883501	Jan 12 2016	Registered Section 66(a)
Paymetric LLC <sup>32</sup>	XIPAY		United States of America	78600433	Apr 1 2005	3071069	Mar 21 2006	Registered

<sup>32</sup> Grantor is an LLC. Conversion to an LLC to be filed with the USPTO

<b>Owner</b>	<b>Trademark</b>	<b>Logo</b>	<b>Country</b>	<b>Application No</b>	<b>Application Date</b>	<b>Registration No</b>	<b>Registration Date</b>	<b>Trademark Status</b>
Paymetric LLC <sup>33</sup> (PAYM)	XISECURE		United States of America	77439271	Apr 3 2008	3543036	Dec 9 2008	Registered

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<sup>33</sup> Grantor is an LLC. Conversion to an LLC to be filed with the USPTO

**SCHEDULE C****COPYRIGHTS**

\*Conversion/name change to be filed with the USCO

	<b>Copyright Title</b>	<b>Registration Number</b>	<b>Registration Date</b>	<b>Owner</b>
1.	Customized IVR middleware / by Link2Gov Corporation.	TX000664590 7	October 31, 2007	Link2Gov LLC* (on original appl.: Link2Gov Corporation)
2.	Customized algorithms for financial tracking / by Link2Gov Corporation.	TX000664590 6	October 31, 2007	Link2Gov LLC* (on original appl.: Link2Gov Corporation)
3.	Business rules engineered for drivers license renewal / by Link2Gov Corporation.	TX000664590 5	October 31, 2007	Link2Gov LLC* (on original appl.: Link2Gov Corporation)
4.	Business rules engineered for motor vehicle registration applications / by Link2Gov Corporation.	TX000664590 4	October 31, 2007	Link2Gov LLC* (on original appl.: Link2Gov Corporation)
5.	Business rules for DL.	TX000554173 7	September 10, 2001	Link2Gov LLC*
6.	Business rules engineered for motor vehicle applications.	TX000543990 1	September 10, 2001	Link2Gov LLC*
7.	Customized algorithms for financial tracking.	TX000543990 0	September 10, 2001	Link2Gov LLC*
8.	IVR middleware.	TX000543116 7	September 10, 2001	Link2Gov LLC*

**TRADEMARK**