

TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

ETAS ID: TM536132

SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	Security Agreement		
CONVEYING PARTY DATA			
Name	Formerly	Execution Date	Entity Type
SUNGARD AVAILABILITY SERVICES, LP		08/06/2019	Limited Partnership: PENNSYLVANIA
SUNGARD AS NEW HOLDINGS III, LLC		08/06/2019	Limited Liability Company: DELAWARE
SUNGARD AS NEW HOLDINGS II, LLC		08/06/2019	Limited Liability Company: DELAWARE
RECEIVING PARTY DATA			
Name:	PNC Bank, National Association, as Collateral Agent		
Street Address:	Two Tower Center Boulevard		
City:	East Brunswick		
State/Country:	NEW JERSEY		
Postal Code:	08816		
Entity Type:	Association: UNITED STATES		
PROPERTY NUMBERS Total: 12			
Property Type	Number	Word Mark	
Registration Number:	2899162	KEEPING PEOPLE AND INFORMATION CONNECTED	
Registration Number:	1478077	MEGACENTER	
Registration Number:	1935769	MEGAVOICE	
Registration Number:	1783696	METROCENTER	
Registration Number:	2354079	PRECOVERY	
Registration Number:	4238624	RECOVER2CLOUD	
Registration Number:	5287406	IT FOR BUSINESS THAT NEVER STOPS	
Registration Number:	5292272	TAME THE BEAR	
Registration Number:	5765064	TRANSFORMING IT FOR RESILIENT BUSINESS	
Registration Number:	4778494		
Registration Number:	5045995		
Registration Number:	4801264		
CORRESPONDENCE DATA			
Fax Number:	8009144240		
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent</i>			
TRADEMARK			

OP \$315.00 2899162

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 800-713-0755
Email: james.murray@wolterskluwer.com
Correspondent Name: CT Corporation
Address Line 1: 4400 Easton Commons Way
Address Line 2: Suite 125
Address Line 4: Columbus, OHIO 43219

NAME OF SUBMITTER:	Leslie Kirsner
SIGNATURE:	/Leslie Kirsner/
DATE SIGNED:	08/12/2019

Total Attachments: 23

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RECORDATION FORM COVER SHEET TRADEMARKS ONLY

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

1. Name of conveying party(ies):

SUNGARD AVAILABILITY SERVICES, LP

- Individual(s)
- General Partnership
- Corporation- State: _____
- Other _____
- Association
- Limited Partnership

Citizenship (see guidelines) Pennsylvania

Additional names of conveying parties attached? Yes No

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

Execution Date(s) August 6, 2019

- Assignment
- Security Agreement
- Other _____
- Merger
- Change of Name

2. Name and address of receiving party(ies)

Additional names, addresses, or citizenship attached? Yes No

Name: PNC Bank, National Association, as Collateral Agent

Internal

Address: _____

Street Address: Two Tower Center Boulevard

City: East Brunswick

State: New Jersey

Country: USA Zip: 08816

- Association Citizenship USA
- General Partnership Citizenship _____
- Limited Partnership Citizenship _____
- Corporation Citizenship _____
- Other _____ Citizenship _____

If assignee is not domiciled in the United States, a domestic representative designation is attached: Yes No
(Designations must be a separate document from assignment)

4. Application number(s) or registration number(s) and identification or description of the Trademark.

A. Trademark Application No.(s)

See Attached Schedule A

B. Trademark Registration No.(s)

See Attached Schedule A

Additional sheet(s) attached? Yes No

C. Identification or Description of Trademark(s) (and Filing Date if Application or Registration Number is unknown):

5. Name & address of party to whom correspondence concerning document should be mailed:

Name: James Murray

Internal Address: CT Corporation

Street Address: 4400 Easton Commons Way
Suite 125

City: Columbus

State: OH Zip: 43219

Phone Number: 614-280-3566

Fax Number: 800-914-4240

Email Address: james.murray@wolterskluwer.com

6. Total number of applications and registrations involved:

12

7. Total fee (37 CFR 2.6(b)(6) & 3.41) \$ _____

- Authorized to be charged by credit card
- Authorized to be charged to deposit account
- Enclosed

8. Payment Information:

a. Credit Card Last 4 Numbers _____
Expiration Date _____

b. Deposit Account Number _____
Authorized User Name _____

9. Signature:

Signature

August 9, 2019

Date

Leslie Kirsner

Name of Person Signing

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

23

Continuation of the information in Item 1 (Name of Conveying Parties)

Names of additional Conveying Parties:

SUNGARD AS NEW HOLDINGS III, LLC
a Delaware LLC

SUNGARD AS NEW HOLDINGS II, LLC
a Delaware LLC

INTELLECTUAL PROPERTY SECURITY INTEREST AGREEMENT

This INTELLECTUAL PROPERTY SECURITY INTEREST AGREEMENT (this "*Agreement*"), is dated as of August 6, 2019, and made by and among SUNGARD AS NEW HOLDINGS III, LLC (the "*Company*"), SUNGARD AS NEW HOLDINGS II, LLC, and SUNGARD AVAILABILITY SERVICES, LP (collectively, "*Grantors*") and PNC BANK, NATIONAL ASSOCIATION, as Collateral Agent (in such capacity and together with its successors and assigns, in such capacity, the "*Collateral Agent*", and together with Grantors, the "*Parties*").

WHEREAS, the Parties and certain subsidiaries of the Company are party to that certain Revolving Credit Agreement dated as of August 6, 2019 (as amended, restated, supplemented or otherwise modified from time to time, the "*Credit Agreement*");

WHEREAS, in connection with the Credit Agreement, the Parties and certain subsidiaries of the Company have entered into that certain Intellectual Property Security Agreement dated August 6, 2019 (as amended, restated, supplemented or otherwise modified from time to time, the "*IP Security Agreement*"), pursuant to which Grantors have assigned and pledged to Collateral Agent a Security Interest in certain Collateral; and

WHEREAS, in accordance with and subject to the IP Security Agreement, Grantors are executing and delivering to Collateral Agent this Agreement for recordal in the United States Patent and Trademark Office and other government offices as desired by Collateral Agent.

NOW THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, the parties agree and confirm as follows:

SECTION 1. Definitions. Unless otherwise defined herein or the context otherwise requires, terms used in this Agreement, including its preamble and recitals, shall have the meanings provided or provided by reference in the IP Security Agreement.

SECTION 2. Grant of Security Interest. As security for the payment or performance, as the case may be, in full of the Obligations, each Grantor hereby assigns and pledges to the Collateral Agent, its successors and assigns, for the benefit of the Secured Parties, and hereby grants to the Collateral Agent, its successors and assigns, for the benefit of the Secured Parties, a Security Interest in, all right, title or interest in or to any and all of the Collateral now owned or at any time hereafter acquired by such Grantor or in which such Grantor now has or at any time in the future may acquire any right, title, or interest, including all (i) Copyrights, Trademarks (together with all the goodwill associated therewith), Patents, Licenses, and other Intellectual Property, as set forth in **Schedule A**, attached hereto, (ii) applications and registrations therefor, as set forth in **Schedule A**, attached hereto, and (iii) all Proceeds and products of any and all of the foregoing and all collateral security and guarantees given by any Person with respect to any of the foregoing. The security interest granted hereby has been granted to Collateral Agent in connection with the IP Security Agreement and the present Agreement is expressly subject to the terms and conditions thereof. The IP Security Agreement (and all rights and remedies of the Collateral Agent thereunder) shall remain in full force and effect in accordance with its terms.

SECTION 3. Purpose. This Agreement has been executed and delivered by the Grantor for the purpose of recording the grant of security interest herein with the United States Patent

and Trademark Office, the United States Copyright Office or any other offices as desired by Collateral Agent. The Collateral Agent is further authorized to file with the United States Patent and Trademark Office or the United States Copyright Office (or any successor office) such documents as may be necessary or advisable for the purpose of perfecting, confirming, continuing, enforcing or protecting the Security Interest granted by the Grantors, without the signature of any Grantor, and naming any Grantor or the Grantors as debtors and the Collateral Agent as secured party.

SECTION 4. Acknowledgment. Grantors hereby further acknowledge and affirm that the rights and remedies of Collateral Agent or any other persons with respect to the security interest in the Collateral granted hereby are more fully set forth in the IP Security Agreement, the terms and provisions of which (including the remedies provided for therein) are incorporated by reference herein as if fully set forth herein. In the event of any conflict between the terms of this Agreement and the terms of the IP Security Agreement, the terms of the IP Security Agreement shall govern. Nothing herein is intended to impact the parties' rights and obligations as set forth in the IP Security Agreement.

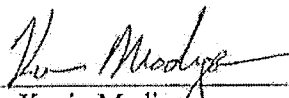
SECTION 5. Counterparts. This Agreement may be executed in counterparts, each of which will be deemed an original, but all of which together constitute one and the same original. Delivery of an executed signature page to this Agreement by facsimile or other electronic transmission shall be as effective as delivery of a manually signed counterpart of this Agreement.

SECTION 6. GOVERNING LAW. THIS AGREEMENT SHALL BE GOVERNED BY, AND CONSTRUED IN ACCORDANCE WITH, THE LAW OF THE STATE OF NEW YORK.

[Signature pages follow.]

IN WITNESS WHEREOF, the Parties hereto have duly executed this Agreement as of the day and year first above written.

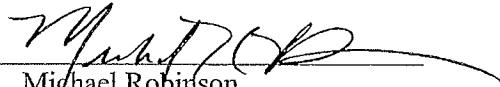
**PNC BANK, NATIONAL ASSOCIATION, as
Collateral Agent**

By: 
Name: Kevin Madigan
Title: Senior Vice President

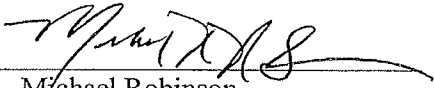
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**TRADEMARK
REEL: 006717 FRAME: 0320**

SUNGARD AS NEW HOLDINGS II, LLC

By: 
Name: Michael Robinson
Title: Chief Executive Officer

SUNGARD AS NEW HOLDINGS II, LLC

By: 
Name: Michael Robinson
Title: Chief Executive Officer

SUNGARD AVAILABILITY SERVICES, LP

By: Sungard Availability Services Technology,
LLC
Its: General Partner

By: _____
Name: Thomas Wellman
Title: Vice President, Chief Accounting Officer
and Treasurer

[SIGNATURE PAGE TO IPSA SHORT FORM]

SUNGARD AS NEW HOLDINGS II, LLC

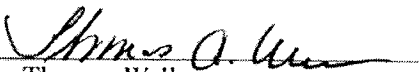
By: _____
Name: Michael Robinson
Title: Chief Executive Officer

SUNGARD AS NEW HOLDINGS II, LLC

By: _____
Name: Michael Robinson
Title: Chief Executive Officer

SUNGARD AVAILABILITY SERVICES LP

By: Sungard Availability Services Technology,
LLC
Its: General Partner

By: 
Name: Thomas Wellman
Title: Vice President, Chief Accounting Officer
and Treasurer

[SIGNATURE PAGE TO IPSA SHORT FORM]

SCHEDULE A

U.S. COPYRIGHTS OWNED BY SUNGARD AVAILABILITY SERVICES, LP

Copyrights and Copyright Applications

Loan Party	Registered Owner	Title	Registration / Serial Number
SunGard Availability Services, LP	SunGard Availability Services LP	Abduction Of A Student Incident Workbook	TX 5-187-756
SunGard Availability Services, LP	SunGard Availability Services LP	Account Analysis Restoration	TX 5-495-036
SunGard Availability Services, LP	SunGard Availability Services LP	Accounting Restoration	TX 5-495035
SunGard Availability Services, LP	SunGard Availability Services LP	Accounts Payable	TX 5-495-034
SunGard Availability Services, LP	SunGard Availability Services LP	ATM Restoration	TX 5-492-529
SunGard Availability Services, LP	SunGard Availability Services LP	Audit Compliance	TX-5-492-524
SunGard Availability Services, LP	SunGard Availability Services LP	Bomb Explosion and Fire At School Incident Workbook	TX-5-162-353
SunGard Availability Services, LP	SunGard Availability Services LP	Bomb-Threat Incident Workbook: Sample School Site	TX 5-492-526
SunGard Availability Services, LP	SunGard Availability Services LP	Bond Processing	TX 5-492-526
SunGard Availability Services, LP	SunGard Availability Services LP	Bookkeeping, Research & Statement Rendering Workbook: Sample Bank	TX 5-565-645
SunGard Availability Services, LP	SunGard Availability Services LP	Branch Recovery Workbook: Sample Bank	TX 5-565-646
SunGard Availability Services, LP	SunGard Availability Services LP	Call Center Restoration Workbook: Sample Bank	TX 5-565-643

[Schedule A - 1]

Loan Party	Registered Owner	Title	Registration / Serial Number
SunGard Availability Services, LP	SunGard Availability Services LP	Cash Management Restoration	TX 5-495-038
SunGard Availability Services, LP	SunGard Availability Services LP	Central File Updates	TX 5-495-048
SunGard Availability Services, LP	SunGard Availability Services LP	Certificates of Deposit	TX 5-495-047
SunGard Availability Services, LP	SunGard Availability Services LP	Collections Restoration Workbook: Sample Bank	TX 5-488-186
SunGard Availability Services, LP	SunGard Availability Services LP	Command Center Establishment Workbook	TX 5-488-182
SunGard Availability Services, LP	SunGard Availability Services LP	Commercial Loan File Damage Assessment Workbook: Sample Bank	TX 5-488-190
SunGard Availability Services, LP	SunGard Availability Services LP	Commercial Loan Restoration Workbook: Sample Bank	TX 5-484-561
SunGard Availability Services, LP	SunGard Availability Services LP	Communicable Disease Exposure Incident Workbook: Sample School Site	TX 5-187-761
SunGard Availability Services, LP	SunGard Availability Services LP	Consumer Loan Customer Contract Procedures	TX 5-484-562
SunGard Availability Services, LP	SunGard Availability Services LP	Consumer Loan File Damage Assessment	TX 5-484-563
SunGard Availability Services, LP	SunGard Availability Services LP	Consumer Loan Origination And Servicing	TX 5-484-549
SunGard Availability Services, LP	SunGard Availability Services LP	Core Systems Recovery	TX 5-484-548
SunGard Availability Services, LP	SunGard Availability Services LP	Credit Card Restoration Workshop	TX 5-484-550

[Schedule A - 2]

Loan Party	Registered Owner	Title	Registration / Serial Number
SunGard Availability Services, LP	SunGard Availability Services LP	Custodian Of Sensitive Information Workbook	TX 5-484-551
SunGard Availability Services, LP	SunGard Availability Services LP	Daily Report Generation	TX 5-484-552
SunGard Availability Services, LP	SunGard Availability Services LP	Damage Assessment	TX 5-484-547
SunGard Availability Services, LP	SunGard Availability Services LP	Data Security	TX 5-495-033
SunGard Availability Services, LP	SunGard Availability Services LP	Debit Card Restoration	TX 5-495-043
SunGard Availability Services, LP	SunGard Availability Services LP	Declaring a Disaster	TX 5-495-042
SunGard Availability Services, LP	SunGard Availability Services LP	Deposit Operations Restoration Workbook: Sample Bank	TX 5-488-188
SunGard Availability Services, LP	SunGard Availability Services LP	Disaster Recovery Plan Coordination Workbook: Sample Bank	TX 5-488-187
SunGard Availability Services, LP	SunGard Availability Services LP	Earthquake Incident Workbook	TX 5-201-452
SunGard Availability Services, LP	SunGard Availability Services LP	Employee Call Chain Docketed Workbook	TX 6-644-186
SunGard Availability Services, LP	SunGard Availability Services LP	Employee Contact and Work Schedule Workbook	TX 5-488-189
SunGard Availability Services, LP	SunGard Availability Services LP	Employee Workbook: Sample Bank	TX 5-488-185
SunGard Availability Services, LP	SunGard Availability Services LP	Equipment, Supply And Form Acquisition Handbook: Sample Bank	TX 5-488-183

[Schedule A - 3]

Loan Party	Registered Owner	Title	Registration / Serial Number
SunGard Availability Services, LP	SunGard Availability Services LP	Establishment Of Temporary Facilities Workbook: Sample Bank	TX 5-488-175
SunGard Availability Services, LP	SunGard Availability Services LP	Faculty/Staff Call Chain Workbook	TX 5-201-458
SunGard Availability Services, LP	SunGard Availability Services LP	Faculty/Staff Workbook	TX 5-162-352
SunGard Availability Services, LP	SunGard Availability Services LP	False Fire Alarms Incident Workbook	TX 5-162-354
SunGard Availability Services, LP	SunGard Availability Services LP	Fedline Restoration Workbook: Sample Bank	TX 5-488-184
SunGard Availability Services, LP	SunGard Availability Services LP	Fire At School Incident Workbook	TX 5-162-355
SunGard Availability Services, LP	SunGard Availability Services LP	Food Poisoning Or Unintentional Toxin Ingestion Incident Workbook: Sample School Site	TX 5-187-754
SunGard Availability Services, LP	SunGard Availability Services LP	Global Decisions	TX -5-492-528
SunGard Availability Services, LP	SunGard Availability Services LP	Hate Crimes Incident Workbook: Sample School Site	TX 5-187-755
SunGard Availability Services, LP	SunGard Availability Services LP	Holding Company	TX 5-492-527
SunGard Availability Services, LP	SunGard Availability Services LP	Hostage Taking Event Workbook: Sample School Site	TX 5-187-758
SunGard Availability Services, LP	SunGard Availability Services LP	Hot-Site Coordination	TX 5-492-531
SunGard Availability Services, LP	SunGard Availability Services LP	Human Resources Restoration Workbook	TX 5-492-532

[Schedule A - 4]

Loan Party	Registered Owner	Title	Registration / Serial Number
SunGard Availability Services, LP	SunGard Availability Services LP	Hurricane Incident Workbook	TX 5-162-348
SunGard Availability Services, LP	SunGard Availability Services LP	I.S. Team Leader Workbook	TX 5-495-037
SunGard Availability Services, LP	SunGard Availability Services LP	Insurance Company Notification	TX 5-492-525
SunGard Availability Services, LP	SunGard Availability Services LP	Interactive Voice Response Workbook	TX 5-492-530
SunGard Availability Services, LP	SunGard Availability Services LP	Internal Payroll Restoration	TX 5-484-557
SunGard Availability Services, LP	SunGard Availability Services LP	Item Processing Restoration	TX 5-484-556
SunGard Availability Services, LP	SunGard Availability Services LP	LAN/WAN Restoration	TX 5-484-555
SunGard Availability Services, LP	SunGard Availability Services LP	Legal Issues Workbook	TX 5-495-044
SunGard Availability Services, LP	SunGard Availability Services LP	Life Threatening Substance Abuse Incident	TX 5-201-459
SunGard Availability Services, LP	SunGard Availability Services LP	Marketing Restoration	TX 5-495-046
SunGard Availability Services, LP	SunGard Availability Services LP	Merchant Services	TX 5-495-045
SunGard Availability Services, LP	SunGard Availability Services LP	Missing Student Or Staff Incident Workbook	TX 5-186-324
SunGard Availability Services, LP	SunGard Availability Services LP	Motor Vehicle Accident With Student Fatality Incident Workbook	TX 5-201-454
SunGard Availability Services, LP	SunGard Availability Services LP	PBX System Workbook	TX 5-495-041

[Schedule A - 5]

Loan Party	Registered Owner	Title	Registration / Serial Number
SunGard Availability Services, LP	SunGard Availability Services LP	Physical Attack (With Weapon) Incident Workbook	TX 5-186-312
SunGard Availability Services, LP	SunGard Availability Services LP	Preparation Of Financial Statements Workbook	TX 5-495-040
SunGard Availability Services, LP	SunGard Availability Services LP	Public Notification	TX 5-495-039
SunGard Availability Services, LP	SunGard Availability Services LP	Regulatory Reporting	TX 5-484-560
SunGard Availability Services, LP	SunGard Availability Services LP	Resource Organizations Workbook	TX 5-201-457
SunGard Availability Services, LP	SunGard Availability Services LP	Restoration of Permanent	TX 5-484-559
SunGard Availability Services, LP	SunGard Availability Services LP	Roles Workbook	TX 5-484-558
SunGard Availability Services, LP	SunGard Availability Services LP	Safe Deposit Boxes	TX 5-484-546
SunGard Availability Services, LP	SunGard Availability Services LP	Sample School Site: Disruptive Student In Registered Classroom Incident Workbook	TX 5-193-864
SunGard Availability Services, LP	SunGard Availability Services LP	Sample School Site: Environmental Hazards Exposure Incident Workbook	TX 5-193-861
SunGard Availability Services, LP	SunGard Availability Services LP	Sample School Site: Physical Attack (Without Weapon – Bullying) Incident Workbook	TX 5-193-860
SunGard Availability Services, LP	SunGard Availability Services LP	Sample School Site: Roles Workbook	TX 5-193-862
SunGard Availability Services, LP	SunGard Availability Services LP	Sample School Site: School Bus Accident Incident Workbook	TX 5-193-863

[Schedule A - 6]

Loan Party	Registered Owner	Title	Registration / Serial Number
SunGard Availability Services, LP	SunGard Availability Services LP	Security And Safekeeping Administration Workbook	TX 5-484-545
SunGard Availability Services, LP	SunGard Availability Services LP	Severe Flooding Incident Workbook	TX 5-190-921
SunGard Availability Services, LP	SunGard Availability Services LP	Sexual Abuse Of A Student Workbook	TX 5-201-460
SunGard Availability Services, LP	SunGard Availability Services LP	Sexual Harassment Of A Student Workbook	TX 5-162-347
SunGard Availability Services, LP	SunGard Availability Services LP	Strobl Systems Group, Inc.'s Website in HTML; (2002 Web Site HTML)	TX 5-597-404
SunGard Availability Services, LP	SunGard Availability Services LP	Strobl Systems Group, Inc.'s Website In HTML; (2002 Web Site HTML)	TX 5-597-403
SunGard Availability Services, LP	SunGard Availability Services LP	Student Body Riot Incident Workbook	TX 5-162-349
SunGard Availability Services, LP	SunGard Availability Services LP	Student Loans	TX 5-484-544
SunGard Availability Services, LP	SunGard Availability Services LP	Student Placed On Life Support Machine Incident Workbook	TX 5-201-456
SunGard Availability Services, LP	SunGard Availability Services LP	Student Self-Mutilation Cutting Incident Workbook	TX 5-190-923
SunGard Availability Services, LP	SunGard Availability Services LP	Student Workbook: Sample School Site	TX 5-187-759
SunGard Availability Services, LP	SunGard Availability Services LP	Sudden Death of Student Workbook	TX 5-162-356
SunGard Availability Services, LP	SunGard Availability Services LP	Suicide Completion Incident Workbook	TX 5-190-925

[Schedule A - 7]

Loan Party	Registered Owner	Title	Registration / Serial Number
SunGard Availability Services, LP	SunGard Availability Services LP	Telephone, Fax, Or Internet Abuse Incident Workbook	TX 5-187-757
SunGard Availability Services, LP	SunGard Availability Services LP	Teller And CSR Operations Restoration Workbook: Sample Bank	TX 5-565-644
SunGard Availability Services, LP	SunGard Availability Services LP	Tornado Incident Workbook	TX 5-162-350
SunGard Availability Services, LP	SunGard Availability Services LP	Training Restoration Workbook: Sample Bank	TX 5-565-642
SunGard Availability Services, LP	SunGard Availability Services LP	Treasury, Tax & Loan (TT&L) Transactions Workbook: Sample Bank	TX 5-565-641
SunGard Availability Services, LP	SunGard Availability Services LP	Trust Restoration	TX 5-484-553
SunGard Availability Services, LP	SunGard Availability Services LP	Unauthorized Visitor On School Premises Incident Workbook	TX 5-162-351
SunGard Availability Services, LP	SunGard Availability Services LP	Verbal/Physical Threat (With Weapon) Incident Workbook	TX 5-190-924
SunGard Availability Services, LP	SunGard Availability Services LP	Verbal/Physical Threat (Without Weapon) Incident Workbook	TX 5-201-455
SunGard Availability Services, LP	SunGard Availability Services LP	Violent Gang Conflict Incident Workbook: Sample School Site	TX 5-187-760
SunGard Availability Services, LP	SunGard Availability Services LP	Wire Transfer Restoration	TX 5-484-554
SunGard Availability Services, LP	SunGard Availability Services LP	Sudden death of staff incident workbook	TX 5190922
SunGard Availability Services, LP	SunGard Availability Services LP	Suicide attempt incident workbook	TX501453

[Schedule A - 8]

Exclusive U.S. Copyright Licenses

None.

PATENTS OWNED BY SUNGARD AVAILABILITY SERVICES, LP

Patents and Patent Applications

Loan Party	Title	Application #	Jurisdiction	Patent #
Sungard Availability Services, LP	DYNAMIC RESOURCE ALLOCATION IN RECOVER TO CLOUD SANDBOX	13/283,173	United States	8700946
Sungard Availability Services, LP	DISCOVERING BOOT ORDER SEQUENCE OF SERVERS BELONGING TO AN APPLICATION	13/422,091	United States	9021294
Sungard Availability Services, LP	BUSINESS CONTINUITY ON CLOUD ENTERPRISE DATA CENTERS	13/531,744	United States	8805989
Sungard Availability Services, LP	PRIVATE CLOUD REPLICATION AND RECOVERY	13/436,111	United States	8930747
Sungard Availability Services, LP	AUTOMATING INFRASTRUCTURE WORKFLOWS AS ATOMIC TRANSACTIONS	13/551,848	United States	8935570
Sungard Availability Services, LP	RECOVERY MATURITY MODEL (RMM) FOR READINESS-BASED CONTROL OF DISASTER RECOVERY TESTING	13/792,713	United States	9208006
Sungard Availability Services, LP	LOGICAL DOMAIN RECOVERY	13/752,835	United States	9047248
Sungard Availability Services, LP	NETWORK TOPOLOGY- AWARE RECOVERY AUTOMATION	13/365,080	United States	9612814

[Schedule A - 9]

Loan Party	Title	Application #	Jurisdiction	Patent #
Sungard Availability Services, LP	RECOVERY AUTOMATION IN HETEROGENEOUS ENVIRONMENTS	13/364,431	United States	9317268
Sungard Availability Services, LP	VIRTUAL INFRASTRUCTURE RECOVERY CONFIGURATOR	13/910,623	United States	9183097
Sungard Availability Services, LP	XML BASED GENERIC UNIX DISCOVERY FRAMEWORK	13/906,983	United States	9479396
Sungard Availability Services, LP	RECOVERY AUTOMATION IN HETEROGENEOUS ENVIRONMENTS	2,804,379	Canada	Pending
Sungard Availability Services, LP	RECOVERY AUTOMATION IN HETEROGENEOUS ENVIRONMENTS	13 275 021.7	European Patent – Validated in Austria, Belgium, Switzerland, Czech Republic, Germany, Spain, Luxembourg, Monaco, Netherlands, France, UK, and Ireland	2624132
Sungard Availability Services, LP	NETWORK TOPOLOGY- AWARE RECOVERY AUTOMATION	2,604,619	Canada	Pending

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Loan Party	Title	Application #	Jurisdiction	Patent #
Sungard Availability Services, LP	NETWORK TOPOLOGY- AWARE RECOVERY AUTOMATION	13 275 022.5	European Patent – Validated in Germany, Belgium, Czech Republic, Spain, Luxembourg, Monaco, Netherlands, Serbia, France, UK, and Ireland	2624133
Sungard Availability Services, LP	PRIVATE CLOUD REPLICATION AND RECOVERY	2,810,570	Canada	Pending
Sungard Availability Services, LP	PRIVATE CLOUD REPLICATION AND RECOVERY	13 160 943.0	European Patent – Validated in France, UK, and Ireland	2645253
Sungard Availability Services, LP	DYNAMIC RESOURCE ALLOCATION IN RECOVER TO CLOUD SANDBOX	2,793,245	Canada	Pending
Sungard Availability Services, LP	DYNAMIC RESOURCE ALLOCATION IN RECOVER TO CLOUD SANDBOX	1219299.3	Great Britain	2497168
Sungard Availability Services, LP	RECOVER TO CLOUD: RECOVERY POINT OBJECTIVE ANALYSIS TOOL	1216931.4	Great Britain	2495004
Sungard Availability Services, LP	RECOVERY EXECUTION SYSTEM USING PROGRAMMATIC GENERATION OF ACTIONABLE WORKFLOWS	14682262	United States	9836365

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Loan Party	Title	Application #	Jurisdiction	Patent #
Sungard Availability Services, LP	RECOVERY EXECUTION SYSTEM USING PROGRAMMATIC GENERATION OF ACTIONABLE WORKFLOWS	2973896	Canada	2973896
Sungard Availability Services, LP	RECOVERY EXECUTION SYSTEM USING PROGRAMMATIC GENERATION OF ACTIONABLE WORKFLOWS	167096379	European Patent Office – Validated in Belgium, Switzerland, Luxembourg, Germany, Monaco, France, Ireland, Sweden, UK	3230865
Sungard Availability Services, LP	RECOVERY EXECUTION SYSTEM USING PROGRAMMATIC GENERATION OF ACTIONABLE WORKFLOWS	201747023461	India	Pending
Sungard Availability Services, LP	GENERIC TEST FRAMEWORK FOR SERVICE INTERFACES	15013176	United States	Pending
Sungard Availability Services, LP	GENERIC TEST FRAMEWORK FOR SERVICE INTERFACES	3013448	Canada	Pending
Sungard Availability Services, LP	GENERIC TEST FRAMEWORK FOR SERVICE INTERFACES	177060175	European Patent Office	Pending
Sungard Availability Services, LP	GENERIC TEST FRAMEWORK FOR SERVICE INTERFACES	201847032761	India	Pending
Sungard Availability Services, LP	TOUCH FREE DISASTER RECOVERY	15292646	United States	10210079

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Loan Party	Title	Application #	Jurisdiction	Patent #
Sungard Availability Services, LP	TOUCH FREE DISASTER RECOVERY	3000952	Canada	Pending
Sungard Availability Services, LP	TOUCH FREE DISASTER RECOVERY	167876739	European Patent Office	Pending
Sungard Availability Services, LP	TOUCH FREE DISASTER RECOVERY	201847009498	India	Pending
Sungard Availability Services, LP	UNIFIED REPLICATION AND RECOVERY	15725395	United States	Pending
Sungard Availability Services, LP	UNIFIED REPLICATION AND RECOVERY	20190108266	PCT	Pending
Sungard Availability Services, LP	UNIFIED TEST AUTOMATION SYSTEM	15933615	United States	Pending (Unpublished)
Sungard Availability Services, LP	UNIFIED TEST AUTOMATION SYSTEM	PCTUS1922667	PCT	Filed (Unpublished)
Sungard Availability Services, LP	Availability Factor (AFACTOR) Based Automation System	16263492	United States	Filed (Unpublished)
Sungard Availability Services, LP	Plan Visualization	2973888	Canada	Pending
Sungard Availability Services, LP	Virtual infrastructure recovery configurator	GB1409910.5	United Kingdom	GB2517044






TRADEMARK/TRADE NAMES OWNED BY SUNGARD AVAILABILITY SERVICES, LP

Trademarks and Trademark Applications



Loan Party	Registered Owner	Mark	Registration / Application Number	Jurisdiction	Status
Sungard Availability Services, LP	Sungard Availability Services LP	KEEPING PEOPLE AND INFORMATION CONNECTED	2,899,162	United States	Registered

Loan Party	Registered Owner	Mark	Registration / Application Number	Jurisdiction	Status
Sungard Availability Services, LP	Sungard Availability Services LP	MEGACENTER	1,478,077	United States	Registered
Sungard Availability Services, LP	Sungard Availability Services LP	MEGAVOICE	1,935,769	United States	Registered
Sungard Availability Services, LP	Sungard Availability Services LP	METROCENTER	1,783,696	United States	Registered
Sungard Availability Services, LP	Sungard Availability Services LP	PRECOVERY	2,354,079	United States	Registered
Sungard Availability Services, LP	Sungard Availability Services LP	RECOVER2CLOUD	4,238,624	United States	Registered
Sungard Availability Services, LP	Sungard Availability Services Capital, Inc.	IT FOR BUSINESS THAT NEVER STOPS	5,287,406	United States	Registered
Sungard Availability Services, LP	Sungard Availability Services Capital, Inc.	TAME THE BEAR	5,292,272	United States	Registered
Sungard Availability Services, LP	Sungard Availability Services Capital, Inc.	MAKING THE EVERYDAY HAPPEN	16147803	European Community	Registered
Sungard Availability Services, LP	Sungard Availability Services Capital, Inc.	TAME THE BEAR	EU016147829	European Community	Registered
Sungard Availability Services, LP	Sungard Availability Services Capital, Inc.	IT FOR BUSINESS THAT NEVER STOPS	TMA1012133	Canada	Registered
Sungard Availability Services, LP	Sungard Availability Services Capital, Inc.	TAME THE BEAR	TMA1012132	Canada	Registered

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Loan Party	Registered Owner	Mark	Registration / Application Number	Jurisdiction	Status
Sungard Availability Services, LP	Sungard Availability Services Capital, Inc.	TRANSFICIENT	3245076	United Kingdom	Registered
Sungard Availability Services, LP	Sungard Availability Services Capital, Inc.	TRANSFORMING IT FOR RESILIENT BUSINESS	5765064	United States	Registered
Sungard Availability Services, LP	Sungard Availability Services Capital, Inc.	TRANSFORMING IT FOR RESILIENT BUSINESS	1410842	WIPO	Registered
Sungard Availability Services, LP	Sungard Availability Services Capital, Inc.	TRANSFORMING IT FOR RESILIENT BUSINESS	1895744	Canada	Pending
Sungard Availability Services, LP	Sungard Availability Services Capital, Inc.	A (Stylized) (b/w) 	4,778,494	United States	Registered
Sungard Availability Services, LP	Sungard Availability Services Capital, Inc.	A (Stylized) (color) 	5,045,995	United States	Registered
Sungard Availability Services, LP	Sungard Availability Services Capital, Inc.	A (Stylized) (color) 	995088	Canada	Registered
Sungard Availability Services, LP	Sungard Availability Services Capital, Inc.	A (Stylized) (b/w) 	951,474	Canada	Registered
Sungard Availability Services, LP	Sungard Availability Services Capital, Inc.	A (Stylized) (color) 	4,801,264	United States	Registered

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Loan Party	Registered Owner	Mark	Registration / Application Number	Jurisdiction	Status
Sungard Availability Services, LP	Sungard Availability Services Capital, Inc.	A (Stylized) (color) 	1243970	WIPO	Registered
Sungard Availability Services, LP	Sungard Availability Services Capital, Inc.	A (Stylized) (b/w) 	1243972	WIPO	Registered
Sungard Availability Services, LP	Sungard Availability Services Capital, Inc.	MAKING THE EVERYDAY HAPPEN	1813656	Canada	Pending
Sungard Availability Services, LP	Sungard Availability Services, LP	AVIDANT	2349580	India	Registered

Trade Names

None.