

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT4950878

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
EMC CORPORATION	01/12/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	OPEN TEXT CORPORATION
<b>Street Address:</b>	275 FRANK TOMPA DRIVE
<b>City:</b>	WATERLOO
<b>State/Country:</b>	CANADA
<b>Postal Code:</b>	N2L 0A1
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15969457
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(512)371-9088
<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>	(512) 637-9220
<b>Email:</b>	slee@sprinklelaw.com
<b>Correspondent Name:</b>	SPRINKLE IP LAW GROUP
<b>Address Line 1:</b>	1301 W. 25TH STREET
<b>Address Line 2:</b>	SUITE 408
<b>Address Line 4:</b>	AUSTIN, TEXAS 78705
<b>ATTORNEY DOCKET NUMBER:</b>	OPEN5080-2
<b>NAME OF SUBMITTER:</b>	JOHN L. ADAIR
<b>SIGNATURE:</b>	/John L. Adair/
<b>DATE SIGNED:</b>	05/08/2018
<b>Total Attachments: 19</b>	
source=OPEN5080-2 Documentum-OTC Patent Assignment (EXECUTED VERSION)#page1.tif	
source=OPEN5080-2 Documentum-OTC Patent Assignment (EXECUTED VERSION)#page2.tif	
source=OPEN5080-2 Documentum-OTC Patent Assignment (EXECUTED VERSION)#page3.tif	
source=OPEN5080-2 Documentum-OTC Patent Assignment (EXECUTED VERSION)#page4.tif	
source=OPEN5080-2 Documentum-OTC Patent Assignment (EXECUTED VERSION)#page5.tif	

source=OPEN5080-2 Documentum-OTC Patent Assignment (EXECUTED VERSION)#page6.tif  
source=OPEN5080-2 Documentum-OTC Patent Assignment (EXECUTED VERSION)#page7.tif  
source=OPEN5080-2 Documentum-OTC Patent Assignment (EXECUTED VERSION)#page8.tif  
source=OPEN5080-2 Documentum-OTC Patent Assignment (EXECUTED VERSION)#page9.tif  
source=OPEN5080-2 Documentum-OTC Patent Assignment (EXECUTED VERSION)#page10.tif  
source=OPEN5080-2 Documentum-OTC Patent Assignment (EXECUTED VERSION)#page11.tif  
source=OPEN5080-2 Documentum-OTC Patent Assignment (EXECUTED VERSION)#page12.tif  
source=OPEN5080-2 Documentum-OTC Patent Assignment (EXECUTED VERSION)#page13.tif  
source=OPEN5080-2 Documentum-OTC Patent Assignment (EXECUTED VERSION)#page14.tif  
source=OPEN5080-2 Documentum-OTC Patent Assignment (EXECUTED VERSION)#page15.tif  
source=OPEN5080-2 Documentum-OTC Patent Assignment (EXECUTED VERSION)#page16.tif  
source=OPEN5080-2 Documentum-OTC Patent Assignment (EXECUTED VERSION)#page17.tif  
source=OPEN5080-2 Documentum-OTC Patent Assignment (EXECUTED VERSION)#page18.tif  
source=OPEN5080-2 Documentum-OTC Patent Assignment (EXECUTED VERSION)#page19.tif

## PATENT ASSIGNMENT

THIS PATENT ASSIGNMENT (this "Assignment"), made effective as of January 23, 2017, is executed and delivered by EMC Corporation, a Massachusetts corporation ("Assignor"), to Open Text Corporation, a corporation incorporated under the federal laws of Canada ("Assignee"). Capitalized terms used but not defined herein shall have the meanings ascribed to such terms in that certain Master Acquisition Agreement (the "Purchase Agreement"), dated as of September 12, 2016, by and among Assignor, EMC International Company, a company organized under the laws of Ireland, EMC (Benelux) B.V., a besloten vennootschap organized under the laws of Netherlands, and Assignee.

WHEREAS, pursuant to and upon the terms and conditions of the Purchase Agreement, Assignor has agreed to assign to Assignee, all of the right, title and interest of Assignor in and to the patent registrations and applications listed on Schedule A attached hereto (the "Assigned Patents").

NOW, THEREFORE, in consideration of the foregoing recitals, the mutual representations, warranties, covenants and agreements set forth in the Purchase Agreement and the other Transaction Agreements, and other good and valuable consideration, the receipt and sufficiency of which the parties acknowledge, the parties hereby agree as follows:

1. Assignment. Pursuant to and subject to the terms and conditions of the Purchase Agreement, Assignor does hereby sell, convey, assign, transfer and deliver unto Assignee, and Assignee does hereby purchase, acquire and accept from Assignor, all of Assignor's right, title and interest, as of the date hereof, in and to the Assigned Patents, as well as any divisionals, continuations, reissues, reexaminations, substitutions, extensions and foreign counterparts or equivalents of the Assigned Patents existing as of the date hereof, together with the rights as applicable, (A) to sue and recover damages and obtain equitable relief for past, present and future infringement thereof; (B) to collect future royalties and other payments thereunder; (C) to claim priority based on such Assigned Patents under the laws of any jurisdiction and/or under international conventions or treaties; (D) to prosecute, register, maintain and defend such Assigned Patents before any public or private agency, office or registrar; and (E) to fully and entirely stand in the place of the Assignor, in all matters related to the Assigned Patents. Assignor hereby authorizes and requests the Director of the United States Patent and Trademark Office and the empowered officials of all other governments to transfer the Assigned Patents to Assignee, as assignee of the entire interest thereto and to record Assignee as the assignee and owner of the Assigned Patents and to deliver to Assignee, and to Assignee's attorneys or agents, all official documents and communications as may be warranted by this Assignment.

2. General Provisions. This Assignment does not modify the terms of the Purchase Agreement and nothing contained in this Assignment shall be deemed to supersede, modify, limit, extend, add to, amend or in any way affect any of the rights or obligations of any party under the Purchase Agreement. In the event of a conflict or controversy between the terms of this Assignment and the terms of the Purchase Agreement, the terms of the Purchase Agreement shall control. EXCEPT AS SET FORTH IN THE PURCHASE AGREEMENT, ASSIGNOR MAKES NO REPRESENTATION OR WARRANTY, EXPRESS OR IMPLIED, AT LAW OR IN EQUITY, IN RESPECT OF THE ASSIGNED PATENTS, INCLUDING, WITHOUT

LIMITATION, WITH RESPECT TO MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE, AND ANY SUCH OTHER REPRESENTATIONS OR WARRANTIES ARE HEREBY EXPRESSLY DISCLAIMED. The Laws of the State of Delaware (without reference to its principles of conflicts of law) shall govern the construction, interpretation and other matters arising out of or in connection with this Assignment (whether arising in contract, tort, equity or otherwise). This Assignment may be executed in any number of counterparts, each of which shall be deemed to be an original as against the party that signed it, and all of which together shall constitute one and the same instrument. Delivery of an executed counterpart of a signature page to this Assignment by facsimile or email transmission which includes a copy of the sending party's signature(s) shall be as effective as delivery of a manually executed counterpart of this Assignment. This Assignment is binding upon and inures to the benefit of the parties hereto and their respective successors and assigns.

[Remainder of Page Intentionally Left Blank]

IN WITNESS WHEREOF, Assignor and Assignee have executed this Assignment as of the date first set forth above.

EMC CORPORATION

By: 

Name: Janet B. Wright

Title: Director, SVP and Assistant Secretary

STATE OF Texas )

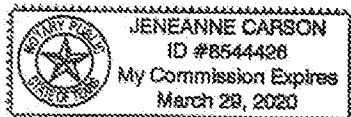
COUNTY OF Williamson )

ss.:

On this 12 th day of January 2017, before me, the undersigned, a notary public in and for said state and county, personally appeared Janet B. Wright, personally known to me (or proved to me on the basis of satisfactory evidence), to be the individual who executed the foregoing instrument on behalf of EMC Corporation, as the Director, SVP & Asst. Secy. of such company and acknowledged to me that the execution and delivery of said instrument was duly authorized by said company.

  
Notary Public

(Affix Seal Below)



[Signature Lines continue on next page.]

[Signature Page to Patent Assignment]

ASSIGNEE hereby accepts receipt of the entire right, title and interest in and to the Assigned Patents.

OPEN TEXT CORPORATION

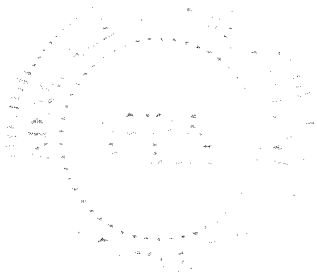
By: [Signature]  
Name: Gordon A. Davies  
Title: EVP, CLO and Corporate Development

STATE OF ONTARIO )  
  )     ss.:  
COUNTY OF CANADA )

On this 22 the day of JANUARY 2017 before me, the undersigned, a notary public in and for said state and county, personally appeared GORDON DAVIES, personally known to me (or proved to me on the basis of satisfactory evidence), to be the individual who executed the foregoing instrument on behalf of [Open Text Corporation], as the EVP, CLO & CORP. DEVELOPMENT of such company and acknowledged to me that the execution and delivery of said instrument was duly authorized by said company.

[Signature]  
Notary Public ADAM GUTKIN

(Affix Seal Below)



[Signature Page to Patent Assignment]

**SCHEDULE A**

**ASSIGNED PATENTS**

<b>Application Number</b>	<b>Filing Date</b>	<b>Patent Number</b>	<b>Issue Date</b>	<b>Application Title</b>
11391980	28-Mar-06	7653732	26-Jan-10	PROVIDING SESSION SERVICES WITH APPLICATION CONNECTORS
11644076	21-Dec-06	8266103	11-Sep-12	SYNCHRONIZING RESOURCE TYPE AND PROPERTY STRUCTURES
13557115	24-Jul-12	8473456	25-Jun-13	SYNCHRONIZING RESOURCE TYPE AND PROPERTY STRUCTURES
13899231	21-May-13			SYNCHRONIZING RESOURCE TYPE AND PROPERTY STRUCTURES
13338444	28-Dec-11	8527480	3-Sep-13	METHOD AND SYSTEM FOR MANAGING VERSIONED STRUCTURED DOCUMENTS IN A DATABASE
13533002	26-Jun-12	9098497	4-Aug-15	METHODS AND SYSTEMS FOR BUILDING A SEARCH SERVICE APPLICATION
12075339	11-Mar-08	8401842	19-Mar-13	PHRASE MATCHING FOR DOCUMENT CLASSIFICATION
08893111	15-Jul-97	6233600	15-May-01	METHOD AND SYSTEM FOR PROVIDING A NETWORKED COLLABORATIVE WORK ENVIRONMENT
09116069	15-Jul-98	6230185	8-May-01	METHOD AND APPARATUS FOR FACILITATING COMMUNICATION BETWEEN COLLABORATORS IN A NETWORKED ENVIRONMENT
09116558	15-Jul-98	6314408	6-Nov-01	METHOD AND APPARATUS FOR CONTROLLING ACCESS TO A PRODUCT
09703276	31-Oct-00	7127501	24-Oct-06	METHOD AND SYSTEM FOR PROVIDING A NETWORKED COLLABORATIVE WORK ENVIRONMENT
13369006	8-Feb-12	8682893	25-Mar-14	COMPUTER READABLE ELECTRONIC RECORDS AUTOMATED CLASSIFICATION SYSTEM
12315610	4-Dec-08	8135710	13-Mar-12	COMPUTER READABLE ELECTRONIC RECORDS AUTOMATED CLASSIFICATION SYSTEM

[Schedule A to Patent Assignment]

**PATENT  
REEL: 045741 FRAME: 0605**

14173186	5-Feb-14	9129003	8-Sep-15	COMPUTER READABLE ELECTRONIC RECORDS AUTOMATED CLASSIFICATION SYSTEM
14819341	5-Aug-15			COMPUTER READABLE ELECTRONIC RECORDS AUTOMATED CLASSIFICATION SYSTEM
10378025	28-Feb-03	7478088	13-Jan-09	COMPUTER READABLE ELECTRONIC RECORDS AUTOMATED CLASSIFICATION SYSTEM
09592778	13-Jun-00	6553365	22-Apr-03	COMPUTER READABLE ELECTRONIC RECORDS AUTOMATED CLASSIFICATION SYSTEM
11325363	3-Jan-06	7739310	15-Jun-10	EXTENSIBLE PORTLET TEMPLATES
11279706	13-Apr-06	7783983	24-Aug-10	USER INTERFACE FOR CONTROLS
11473544	22-Jun-06	8909748	9-Dec-14	CONFIGURABLE VIEWS OF CONTEXT-RELEVANT CONTENT
14537712	10-Nov-14			CONFIGURABLE VIEWS OF CONTEXT-RELEVANT CONTENT
11638857	13-Dec-06	9037983	19-May-15	WEB PAGE CONTENT EDITING
11638081	13-Dec-06	8555159	8-Oct-13	DYNAMIC DISPLAY OF WEB PAGE CONTENT FOR EDITING AND REVIEW
11639038	13-Dec-06	8156141	10-Apr-12	INCORPORATED WEB PAGE CONTENT
11644340	22-Dec-06	8086637	27-Dec-11	ACCESS CONTROL FOR BUSINESS PROCESS DATA
13302913	22-Nov-11			ACCESS CONTROL FOR BUSINESS PROCESS DATA
11712844	28-Feb-07	7996774	9-Aug-11	HIERARCHICAL DISPLAY OF PROJECT INFORMATION IN A COLLABORATION ENVIRONMENT
13174379	30-Jun-11	9,292,828	22-Mar-2016	HIERARCHICAL DISPLAY OF PROJECT INFORMATION IN A COLLABORATION ENVIRONMENT
11824303	29-Jun-07	8065599	22-Nov-11	ELECTRONIC SUBMISSION PREPARATION
13433499	29-Mar-12			METHOD AND SYSTEM FOR PROVIDING INFORMATION RELATED TO A TASK IN A CASE MANAGEMENT SYSTEM



13435997	30-Mar-12	9250869	2-Feb-16	SYNCHRONOUS BUSINESS PROCESS EXECUTION ENGINE FOR ACTION ORCHESTRATION IN A SINGLE EXECUTION TRANSACTION CONTEXT
14975331	18-Dec-15			A SYNCHRONOUS BUSINESS PROCESS EXECUTION ENGINE FOR ACTION ORCHESTRATION
13424604	20-Mar-12			METHOD AND SYSTEM FOR MANAGING TASK ASSIGNMENTS
13529319	21-Jun-12	8819620	26-Aug-14	CASE MANAGEMENT SOFTWARE DEVELOPMENT
13432251	28-Mar-12	8724907	13-May-14	METHOD AND SYSTEM FOR USING OCR DATA FOR GROUPING AND CLASSIFYING DOCUMENTS
13537726	29-Jun-12	8994967	31-Mar-15	SCANNER WEB SERVICE FOR WEB APPLICATION AND SCANNER DRIVER COMMUNICATION
14634091	27-Feb-15	9241030	19-Jan-16	SCANNER WEB SERVICE FOR WEB APPLICATION AND SCANNER DRIVER COMMUNICATION
13536425	28-Jun-12			SYSTEMS AND METHODS FOR HEALTH INFORMATION MESSAGES ARCHIVING
13538047	29-Jun-12	8931044	6-Jan-15	METHODS AND SYSTEMS FOR AUTOMATED ASSIGNMENT OF PROTECTION TO PHYSICAL DOCUMENTS THAT ARE DIGITIZED
13537921	29-Jun-12	9,361,076	7-Jun-16	METHOD AND SYSTEM FOR ENABLING LEGACY PATIENTS CLINICAL DOCUMENTS FOR OPEN SHARING
13630943	28-Sep-12	9262414	16-Feb-16	DETECTING TIME ZONES USING HISTORICAL DATE SAMPLING
14990683	7-Jan-16	9,413,856	9-Aug-2016	DETECTING TIME ZONES USING HISTORICAL DATE SAMPLING
14042521	30-Sep-13			NEW UI PARADIGM FOR ENTERPRISE COLLABORATION APPLICATIONS ON TOUCH BASE DEVICES
14135511	19-Dec-13			METHOD TO ALLOW SWITCHING OF USER INTERFACE LAYOUT BASED ON CONTEXT AND CONFIGURATION

14145048	31-Dec-13			HIERARCHICAL CASE MODEL ACCESS ROLES AND PERMISSIONS
14136232	20-Dec-13			COMPOSABLE EVENTS FOR DYNAMIC USER INTERFACE COMPOSITION
14136255	20-Dec-13			DYNAMIC DISCOVERY AND MANAGEMENT OF PAGE FRAGMENTS
14136287	20-Dec-13	9170786	27-Oct-15	COMPOSABLE CONTEXT MENUS
14842713	1-Sep-15			COMPOSABLE CONTEXT MENUS
14172196	4-Feb-14			PREVENTION OF CIRCULAR EVENT PUBLICATION IN PUBLISH/SUBSCRIBE MODEL USING PATH VECTOR
14320213	30-Jun-14			SYSTEM AND METHOD TO PRESENT A SUMMARIZED TASK VIEW IN A CASE MANAGEMENT SYSTEM
14585981	30-Dec-14			MECHANISM TO PACKAGE AND PROCESSING REUSABLE THEMES FOR WEB APPLICATIONS
14585842	30-Dec-14			METHOD AND SYSTEM FOR NAVIGATION CONTROL
14670949	27-Mar-15			MECHANISM FOR WEBPAGE COMPOSITION
14586172	30-Dec-14			METHOD AND SYSTEM FOR IMPLEMENTING CUSTOM UI ACTIONS IN A WEB APPLICATION USING HIDDEN CONTAINERS
14586260	30-Dec-14			METHOD AND SYSTEM FOR IMPLEMENTING CONTEXT BASED DISPLAY OF OBJECTS IN WEB APPLICATIONS USING LINK RELATIONSHIPS
14502281	30-Sep-14			BINDING TRAITS TO CASE NODES
14502322	30-Sep-14			COMPOSITE INDEX ON HIERARCHICAL NODES IN THE HIERARCHICAL DATA MODEL WITHIN A CASE MODEL
14502361	30-Sep-14			CASE LEAF NODES POINTING TO BUSINESS OBJECTS OR DOCUMENT TYPES
14502025	30-Sep-14			MODELING CASE PHASE/STATE AND PHASE/STATE TRANSITIONS FOR CASE NODES
14502066	30-Sep-14			CASE MODEL - DATA MODEL AND BEHAVIOR VERSIONING

14502106	30-Sep-14			CASE SYSTEM EVENTS TRIGGERING A PROCESS
14502132	30-Sep-14			PLACEHOLDER CASE NODES AND CHILD CASE NODES IN A CASE MODEL
14502159	30-Sep-14			CREATING TEMPLATES BASED ON CASE MODEL INSTANCES
14502194	30-Sep-14			HIERARCHICAL PERMISSIONS MODEL FOR CASE MANAGEMENT
14502222	30-Sep-14			DESCENDENT CASE ROLE ALIAS
14502246	30-Sep-14	9,405,929	2-Aug-16	HIERARCHICAL PERMISSIONS MODEL WITHIN A DOCUMENT
14571117	15-Dec-14			EXPRESSION-BASED HIERARCHICAL MECHANISM FOR HTML FORM DATA VALIDATION
14671289	27-Mar-15			CONTEXT MENU FRAGMENT MANAGEMENT
14788170	30-Jun-15			IMAGE BOX FILTERING FOR OPTICAL CHARACTER RECOGNITION
62158775	8-May-15			IMAGE BOX FILTERING FOR OPTICAL CHARACTER RECOGNITION
14870459	30-Sep-15			CASE FRAGMENT MANAGEMENT
PCTCN2015 091163	30-Sep-15			METHOD AND SYSTEM FOR IDEOGRAM CHARACTER ANALYSIS
14968421	14-Dec-15			METHOD AND SYSTEM FOR DOCUMENT SIMILARITY ANALYSIS
DE(EP)60200 4017695	30-Mar-04	DE(EP)15 83023	12-Nov-08	MODEL OF DOCUMENTS AND METHOD FOR AUTOMATICALLY CLASSIFYING A DOCUMENT
EP0490834.3	30-Mar-04	EP158302 3	12-Nov-08	MODEL OF DOCUMENTS AND METHOD FOR AUTOMATICALLY CLASSIFYING A DOCUMENT
GB(EP)0490 834.3	30-Mar-04	GB(EP)15 83023	12-Nov-08	MODEL OF DOCUMENTS AND METHOD FOR AUTOMATICALLY CLASSIFYING A DOCUMENT
10852969	25-May-04	7370059	6-May-08	MODEL OF DOCUMENTS AND METHOD FOR AUTOMATICALLY CLASSIFYING A DOCUMENT
EP0490834.3	30-Mar-04	EP158302 3	12-Nov-08	MODEL OF DOCUMENTS AND METHOD FOR AUTOMATICALLY CLASSIFYING A DOCUMENT
11711191	26-Feb-07	7886219	8-Feb-11	AUTOMATIC FORM GENERATION

11711451	26-Feb-07	7840890	23-Nov-10	GENERATION OF RANDOMLY STRUCTURED FORMS
13432139	28-Mar-12	8595235	26-Nov-13	METHOD AND SYSTEM FOR USING OCR DATA FOR GROUPING AND CLASSIFYING DOCUMENTS
13855906	3-Apr-13	9069768	30-Jun-15	METHOD AND SYSTEM FOR CREATING SUBGROUPS OF DOCUMENTS USING OPTICAL CHARACTER RECOGNITION DATA
13855933	3-Apr-13	9,396,540	19-Jul-2016	METHOD AND SYSTEM FOR IDENTIFYING ANCHORS FOR FIELDS USING OPTICAL CHARACTER RECOGNITION DATA
13865350	18-Apr-13	8832108	9-Sep-14	METHOD AND SYSTEM FOR CLASSIFYING DOCUMENTS THAT HAVE DIFFERENT SCALES
13868314	23-Apr-13	8843494	23-Sep-14	METHOD AND SYSTEM FOR USING KEYWORDS TO MERGE DOCUMENT CLUSTERS
13869769	24-Apr-13	8880540	4-Nov-14	METHOD AND SYSTEM FOR USING LOCATION TRANSFORMATIONS TO IDENTIFY OBJECTS
14040521	27-Sep-13			OPTIMIZED GESTURES FOR ZOOM FUNCTIONALITY ON TOUCH-BASED DEVICE
14108906	17-Dec-13			DETERMINING MULTIPLE INVITEE AVAILABILITY STATUSES FOR PROPOSED MEETINGS
11300954	15-Dec-05	8321947	27-Nov-12	METHOD AND SYSTEM FOR DYNAMICALLY GENERATING A WATERMARKED DOCUMENT DURING A PRINTING OR DISPLAY OPERATION
11796835	30-Apr-07	8312552	13-Nov-12	METHOD AND SYSTEM FOR RENDERING WATERMARKED CONTENT
11796911	30-Apr-07	8526666	3-Sep-13	METHOD AND SYSTEM FOR RENDERING WATERMARKED CONTENT USING A WATERMARK WINDOW
13331739	20-Dec-11	9436532	06-Sep-2016	METHOD AND SYSTEM FOR IMPLEMENTING INDEPENDENT MESSAGE QUEUES BY SPECIFIC APPLICATIONS
13538207	29-Jun-12			METHODS AND SYSTEMS FOR PROVIDING A SEARCH SERVICE APPLICATION
13537311	29-Jun-12			METHODS AND SYSTEMS FOR BUILDING A SEARCH SERVICE APPLICATION

14135513	19-Dec-13	9342327	17-May-2016	EXTENSIBLE SERVICE EXECUTION FRAMEWORK WITH DATA MAPPING ARCHITECTURE
11227254	16-Sep-05			SYSTEMS AND METHODS FOR MANAGEMENT OF COLLABORATIVE BUSINESS PROCESSES
11392313	28-Mar-06	8086667	27-Dec-11	PROVIDING ACCESS TO MANAGED CONTENT IN RICH CLIENT APPLICATION ENVIRONMENTS
13306864	29-Nov-11	8725797	13-May-14	PROVIDING ACCESS TO MANAGED CONTENT IN RICH CLIENT APPLICATION ENVIRONMENTS
14225357	25-Mar-14			PROVIDING ACCESS TO MANAGED CONTENT IN RICH CLIENT APPLICATION ENVIRONMENTS
11430428	8-May-06	8655857	18-Feb-14	DYNAMIC CONSTRUCTION OF JAVA CLASS HIERARCHY BASED ON METADATA
11473538	22-Jun-06	8898264	25-Nov-14	LINKING BUSINESS OBJECTS AND DOCUMENTS
14519770	21-Oct-14			LINKING BUSINESS OBJECTS AND DOCUMENTS
12005061	21-Dec-07	8280917	2-Oct-12	BATCHING CONTENT MANAGEMENT OPERATIONS TO FACILITATE EFFICIENT DATABASE INTERACTIONS
13603065	4-Sep-12	8650224	11-Feb-14	BATCHING CONTENT MANAGEMENT OPERATIONS TO FACILITATE EFFICIENT DATABASE INTERACTIONS
14147461	3-Jan-14			BATCHING CONTENT MANAGEMENT OPERATIONS TO FACILITATE EFFICIENT DATABASE INTERACTIONS
13536781	28-Jun-12			SYSTEM FOR DELIVERING NOTIFICATION MESSAGES ACROSS DIFFERENT NOTIFICATION MEDIA
13536787	28-Jun-12	8923823	30-Dec-14	SYSTEM FOR DELIVERING AND CONFIRMING RECEIPT OF NOTIFICATION MESSAGES ACROSS DIFFERENT NOTIFICATION MEDIA
13722866	20-Dec-12	9027144	5-May-15	SEMANTIC-BASED BUSINESS EVENTS

13910342	5-Jun-13			METHOD AND SYSTEM FOR MIGRATING CONTENT BETWEEN ENTERPRISE CONTENT MANAGEMENT SYSTEMS
13926573	25-Jun-13			METHOD AND SYSTEM FOR MORPHING OBJECT TYPES IN ENTERPRISE CONTENT MANAGEMENT SYSTEMS
13926601	25-Jun-13			METHOD AND SYSTEM FOR CLONING ENTERPRISE CONTENT MANAGEMENT SYSTEMS
14106506	13-Dec-13			OPTIMIZING SYNCHRONIZATION OF ENTERPRISE CONTENT MANAGEMENT SYSTEMS
14132176	18-Dec-13			OPTIMIZING SYNCHRONIZATION OF CONTENT MANAGEMENT SERVERS
14841146	31-Aug-15			ACTION FLOW FRAGMENT MANAGEMENT
15077184	22-Mar-2016			METHOD AND MECHANISM FOR CONTEXT DRIVEN ALTERATION OF UI ARTIFACTS INSTANCES BEHAVIOR USING EXPRESSION BASED PLUGGABLE UI ASPECTS
13071266	24-Mar-11	9135587	15-Sep-15	METHODS AND SYSTEMS FOR CREATING BUSINESS-ORIENTED REPORT ENTITIES
13245338	26-Sep-11			METHODS AND SYSTEMS FOR PROVIDING AUTOMATED PREDICTIVE ANALYSIS
14040313	27-Sep-13			BUSINESS PROCESS OPTIMIZATION USING PREDICTIVE ANALYTICS
13538434	29-Jun-12			EXPRESSION BASED INTER-WIDGET COMMUNICATION MECHANISM
13474501	17-May-12	9189761	17-Nov-15	ACTION FLOW CLIENT FRAMEWORK
13538708	29-Jun-12			METHOD AND SYSTEM FOR BUSINESS EVENT BASED REPORTING
13631426	28-Sep-12			DATA SERVICES GENERATION
13538928	29-Jun-12			METHODS AND SYSTEMS FOR MULTI-DIMENSIONAL AGGREGATON USING COMPOSITION
13628402	27-Sep-12			REORDER AND SELECTION PERSISTENCE OF DISPLAYED OBJECTS

13538889	29-Jun-12			METHODS AND SYSTEMS FOR MULTI-DIMENSIONAL AGGREGATION USING COMPOSITION
13628511	27-Sep-12			METHOD AND SYSTEM FOR STASHING OF DOCUMENT ALTERATION INFORMATION FOR QUICKER WEB PREVIEW
13630007	28-Sep-12	9372840	21-Jun-16	METHOD AND SYSTEM FOR ACCELERATED TRANSFORMATION OF CONTENTBASED ON PREDICTIVE CHUNKING
13683024	21-Nov-12			METHOD AND SYSTEM FOR DYNAMIC SELECTION OF APPLICATION DIALOG LAYOUT DESIGN
13724422	21-Dec-12	9424243	23-Aug-16	MECHANISM TO SUPPORT COMPOSITE DATA MODELS IN HTML FORM
13722833	20-Dec-12			MECHANISM FOR PARTIAL PAGE REFRESH USING URL ADDRESSABLE HIERARCHICAL PAGE STRUCTURE
13720630	19-Dec-12			MINIMIZING EYE STRAIN AND INCREASING TARGETING SPEED IN MANUAL INDEXING OPERATIONS
13720654	19-Dec-12	9032545	12-May-15	SECURING VISUAL INFORMATION ON IMAGES FOR DOCUMENT CAPTURE
14685280	13-Apr-15			SECURING VISUAL INFORMATION ON IMAGES FOR DOCUMENT CAPTURE
13720671	19-Dec-12	9430453	30-Aug-2016	MULTI-PAGE DOCUMENT RECOGNITION IN DOCUMENT CAPTURE
15221433	27-Jul-16			MULTI-PAGE DOCUMENT RECOGNITION IN DOCUMENT CAPTURE
14024433	11-Sep-13	9171359	27-Oct-15	METHOD AND SYSTEM FOR AUTO-CORRECTING PERSPECTIVE DISTORTION IN DOCUMENT IMAGES
14871501	30-Sep-15			METHOD AND SYSTEM FOR ASSESSING SIMILARITY OF DOCUMENTS
15083613	29-Mar-16			CHURN PREDICTION BASED ON SOCIAL FACTORS
Unfiled				A Tokenization Solution for Mixed Languages Based on Bit Value Tree

Unfiled				System and Method to Improve Query Performance in Enterprise Search Based on Permission Signature
Unfiled				A Solution to Enhance Phrase Search with Nested Thesaurus Parsing
Unfiled				Advanced Full Text Search with Customized Token Injection
Unfiled				A RESTful Batch Template to batchly Execute Content Management Services
Unfiled				Optimization of Faceted Search in XML data
12005143	21-Dec-07	8131884	6-Mar-12	REUSING SYSTEM CONFIGURATION INFORMATION AND METADATA FOR RELATED OPERATIONS
13356473	23-Jan-12	8341299	25-Dec-12	REUSING SYSTEM CONFIGURATION INFORMATION AND METADATA FOR RELATED OPERATIONS
13684003	21-Nov-12	8612635	17-Dec-13	REUSING SYSTEM CONFIGURATION INFORMATION AND METADATA FOR RELATED OPERATIONS
14079912	14-Nov-13	8990440	24-Mar-15	REUSING SYSTEM CONFIGURATION INFORMATION AND METADATA FOR RELATED OPERATIONS
11388351	23-Mar-06	8539493	17-Sep-13	CONFIGURABLE PRIORITIZATION AND AGING OF QUEUED TASKS
11388856	23-Mar-06	8347295	1-Jan-13	PROFILE-BASED ASSIGNMENT OF QUEUED TASKS
11388576	23-Mar-06	8826280	2-Sep-14	PROCESSING RAW INFORMATION FOR PERFORMING REAL-TIME MONITORING OF TASK QUEUES
11605844	28-Nov-06	8375362	12-Feb-13	WIZARD FOR WEB SERVICE SEARCH ADAPTER
11824477	29-Jun-07	7792979	7-Sep-10	OBJECT TREE WALKING
12804663	26-Jul-10	9,367,644	14-Jun-2016	OBJECT TREE WALKING
14079907	14-Nov-13	9,317,512	19-Apr-2016	ASSURED FEDERATED RECORDS MANAGEMENT
12005125	19-Dec-07	8615497	24-Dec-13	ASSURED FEDERATED RECORDS MANAGEMENT



12005167	21-Dec-07	8171054	1-May-12	OPTIMIZED FETCHING FOR ASPECT ATTRIBUTES
13430580	26-Mar-12	8694546	8-Apr-14	OPTIMIZED FETCHING FOR ASPECT ATTRIBUTES
12005157	21-Dec-07	8244778	14-Aug-12	CUSTOMIZATION OF TYPES USING ADDED DEFAULT ASPECTS
13430943	27-Mar-12			METHOD AND SYSTEM FOR VIRTUAL SERVER DORMANCY
13524411	15-Jun-12			METHODS FOR UPDATING REFERENCE COUNT AND SHARED OBJECTS IN A CONCURRENT SYSTEM
13524487	15-Jun-12			METHODS FOR UPDATING REFERENCE COUNT AND SHARED OBJECTS IN A CONCURRENT SYSTEM
13626199	25-Sep-12	9430548	30-Aug-2016	DATA MODEL BASED CONTEXT TREE
13627121	26-Sep-12	8914517	16-Dec-14	METHOD AND SYSTEM FOR PREDICTIVE LOAD BALANCING
14036174	25-Sep-13			METHOD AND SYSTEM FOR CACHE DATA ANALYSIS FOR ENTERPRISE CONTENT MANAGEMENT SYSTEMS
14755000	30-Jun-15			METHOD AND SYSTEM FOR USING EXTERNAL CONTENT TYPE OBJECT TYPES
14755858	30-Jun-15			METHOD AND SYSTEM FOR USING DYNAMIC CONTENT TYPES
14755537	30-Jun-15			METHOD AND SYSTEM FOR USING MICRO OBJECTS
14673472	30-Mar-15			METHOD AND SYSTEM FOR EXTRACTING CONTENT FROM NOISY DATA
14871523	30-Sep-15			METHOD AND SYSTEM FOR CONFIGURING PROCESSES OF SOFTWARE APPLICATIONS USING ACTIVITY FRAGMENTS
14870986	30-Sep-15			METHOD AND SYSTEM FOR ENFORCING GOVERNANCE ACROSS MULTIPLE CONTENT REPOSITORIES USING A CONTENT BROKER
11229318	15-Sep-05	8082334	20-Dec-11	PROVIDING DIRECT ACCESS TO MANAGED CONTENT
11229036	15-Sep-05	8396938	12-Mar-13	PROVIDING DIRECT ACCESS TO DISTRIBUTED MANAGED CONTENT

11229317	15-Sep-05	8447827	21-May-13	PROVIDING LOCAL ACCESS TO MANAGED CONTENT
13869864	24-Apr-13	9304966	05-Apr-2016	PROVIDING LOCAL ACCESS TO MANAGED CONTENT
15003595	21-Jan-16			PROVIDING LOCAL ACCESS TO MANAGED CONTENT
11370296	7-Mar-06			PROVIDING A VISUAL INDICATION THAT STORED CONTENT IS ASSOCIATED WITH A COLLABORATION ENVIRONMENT
13523648	14-Jun-12	9038046	19-May-15	DEPLOYING AND DISTRIBUTING CONTENT MANAGEMENT CODE
11430491	8-May-06	8225311	17-Jul-12	DEPLOYING AND DISTRIBUTING CONTENT MANAGEMENT CODE
11430481	8-May-06	8225310	17-Jul-12	AUTOMATIC DETECTION AND REDISTRIBUTION OF CONTENT MANAGEMENT CODE
11430433	8-May-06			MANAGED CONTENT DELIVERY VIA WEB SERVICES
11638654	12-Dec-06	8533789	10-Sep-13	USER MANAGEMENT FOR REPOSITORY MANAGER
11638340	12-Dec-06	7702787	20-Apr-10	CONFIGURABLE USER MANAGEMENT
11906185	28-Sep-07	7987210	26-Jul-11	SYSTEM FOR LIGHTWEIGHT OBJECTS
13161580	16-Jun-11	8560572	15-Oct-13	SYSTEM FOR LIGHTWEIGHT OBJECTS
13969101	16-Aug-13			SYSTEM FOR LIGHTWEIGHT OBJECTS
11906174	28-Sep-07	8656410	18-Feb-14	CONVERSION OF LIGHTWEIGHT OBJECT TO A HEAVYWEIGHT OBJECT
14148052	6-Jan-14	9009731	14-Apr-15	CONVERSION OF LIGHTWEIGHT OBJECT TO A HEAVYWEIGHT OBJECT
11906184	28-Sep-07	7987470	26-Jul-11	CONVERTING HEAVYWEIGHT OBJECTS TO LIGHTWEIGHT OBJECTS
13338553	28-Dec-11	9002810	7-Apr-15	METHOD AND SYSTEM FOR MANAGING VERSIONED STRUCTURED DOCUMENTS IN A DATABASE

13338587	28-Dec-11	8918379	23-Dec-14	METHOD AND SYSTEM FOR MANAGING VERSIONED STRUCTURED DOCUMENTS IN A DATABASE
13338499	28-Dec-11	8732127	20-May-14	METHOD AND SYSTEM FOR MANAGING VERSIONED STRUCTURED DOCUMENTS IN A DATABASE
13436466	30-Mar-12	8949194	3-Feb-15	ACTIVE RECORDS MANAGEMENT
13338533	28-Dec-11	8898122	25-Nov-14	METHOD AND SYSTEM FOR MANAGING VERSIONED STRUCTURED DOCUMENTS IN A DATABASE
13529286	21-Jun-12			ACTIVITY STREAM BASED COLLABORATION
13630834	28-Sep-12	9083579	14-Jul-15	STATELESS SERVICES IN CONTENT MANAGEMENT CLIENTS
14734318	9-Jun-15			STATELESS SERVICES IN CONTENT MANAGEMENT CLIENTS
13529290	21-Jun-12			ACTIVITY STREAM BASED INTERACTION
13630538	28-Sep-12			METHOD AND SYSTEM FOR CONNECTION POOLING FOR CONTENT MANAGEMENT CLIENTS
13630438	28-Sep-12	9258793	9-Feb-16	METHOD AND SYSTEM FOR LIGHTWEIGHT SESSIONS IN CONTENT MANAGEMENT CLIENTS
14040527	27-Sep-13			CHRONOLOGICAL BASED RETENTION FOR OBJECTS ARCHIVED THROUGH A WEB-BASED STORAGE INTERFACE FOR ILM
14671212	27-Mar-15			ASSIMILATION IN MULTI MODEL WEBPAGE COMPOSITION
14871557	30-Sep-15			METHOD AND SYSTEM FOR CREATING AND USING PERSONA IN A CONTENT MANAGEMENT SYSTEM
14871126	30-Sep-15			METHOD AND SYSTEM FOR MANAGING AND TRACKING CONTENT DISSEMINATION IN AN ENTERPRISE
14871288	30-Sep-15			METHOD AND SYSTEM IMPLEMENTING DYNAMIC AND/OR ADAPTIVE USER INTERFACES

14970259	15-Dec-15			METHOD AND SYSTEM FOR SOFTWARE APPLICATION OPTIMIZATION USING NATURAL LANGUAGE-BASED QUERIES
15085922	30-Mar-2016			System and Method for End to End Performance Response Time Measurement Based on Graphic Recognition
11024195	12/29/2004	7627726	12/1/2009	SYSTEMS AND METHODS FOR MANAGING CONTENT HAVING A RETENTION PERIOD ON A CONTENT ADDRESSABLE STORAGE SYSTEM
11371147	3/7/2006	7970743	6/28/2011	RETENTION AND DISPOSITION OF STORED CONTENT ASSOCIATED WITH MULTIPLE STORED OBJECTS
11364960	2/28/2006	8600948	12/3/2013	AVOIDING DUPLICATIVE STORAGE OF MANAGED CONTENT
11370292	3/7/2006	7818300	10/19/2010	CONSISTENT RETENTION AND DISPOSITION OF MANAGED CONTENT AND ASSOCIATED METADATA
11370473	3/7/2006	7594082	9/22/2009	RESOLVING RETENTION POLICY CONFLICTS
12462790	8/7/2009	7962708	6/14/2011	RESOLVING RETENTION POLICY CONFLICTS
11370423	3/7/2006	7814063	10/12/2010	RETENTION AND DISPOSITION OF COMPONENTS OF A COMPLEX STORED OBJECT
11393219	3/30/2006	7984066	7/19/2011	MANDATORY ACCESS CONTROL LIST FOR MANAGED CONTENT
11393081	3/30/2006	8555403	10/8/2013	PRIVELEGED ACCESS TO MANAGED CONTENT
14015844	8/30/2013	8973157	3/3/2015	PRIVELEGED ACCESS TO MANAGED CONTENT
11393624	3/30/2006	8719903	5/6/2014	DYNAMIC ACCESS CONTROL LIST FOR MANAGED CONTENT
11540503	9/29/2006	7801862	9/21/2010	RETENTION OF COMPLEX OBJECTS
11541485	9/29/2006	9063940	6/23/2015	SUPERSEDING OBJECTS IN A RETENTION SYSTEM

11823608	6/28/2007	8543700	9/24/2013	SYNCHRONOUS CONTENT TRANSFER
12494645	6/30/2009	8856081	10/7/2014	SINGLE RETENTION POLICY
13630096	9/28/2012	9201877	12/1/2015	METHOD AND SYSTEM FOR DESCRIBING HOW RETENTION SHOULD BE APPLIED TO COMPOSITE OBJECTS