

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT7215826

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY INTEREST

CONVEYING PARTY DATA

Name	Execution Date
J2 CLOUD SERVICES, LLC	03/04/2022

RECEIVING PARTY DATA

Name:	MUFG UNION BANK, N.A., AS COLLATERAL AGENT
Street Address:	P.O. BOX 65168
City:	PHOENIX
State/Country:	ARIZONA
Postal Code:	85082

PROPERTY NUMBERS Total: 82

Property Type	Number
Patent Number:	8838704
Patent Number:	7539291
Patent Number:	8175229
Patent Number:	9059955
Patent Number:	7245611
Patent Number:	8600014
Patent Number:	7421514
Patent Number:	7689719
Patent Number:	8326930
Patent Number:	8028033
Patent Number:	8510397
Patent Number:	8310699
Patent Number:	8675220
Patent Number:	9742934
Patent Number:	7480065
Patent Number:	7869076
Patent Number:	8081337
Patent Number:	8400664
Patent Number:	7474432
Patent Number:	7808671

PATENT

Property Type	Number
Patent Number:	8031360
Patent Number:	7808936
Patent Number:	8325635
Patent Number:	7184160
Patent Number:	6895017
Patent Number:	9258704
Patent Number:	9699174
Patent Number:	10601812
Patent Number:	7957368
Patent Number:	9203971
Patent Number:	10075986
Patent Number:	7324635
Patent Number:	8155298
Patent Number:	8175240
Patent Number:	7764777
Patent Number:	8718252
Patent Number:	8848894
Patent Number:	9083719
Patent Number:	9386158
Patent Number:	9942410
Patent Number:	8249230
Patent Number:	8254538
Patent Number:	8503630
Patent Number:	8588381
Patent Number:	9225851
Patent Number:	7114004
Patent Number:	7154625
Patent Number:	7895306
Patent Number:	8639754
Patent Number:	9648204
Patent Number:	9894242
Patent Number:	10334136
Patent Number:	9300819
Patent Number:	7716296
Patent Number:	9055014
Patent Number:	9042532
Patent Number:	9042265
Patent Number:	8612764

Property Type	Number
Patent Number:	9325877
Patent Number:	7818384
Patent Number:	9344597
Patent Number:	9344598
Patent Number:	10334119
Patent Number:	11190646
Patent Number:	8605296
Patent Number:	9565188
Patent Number:	9219844
Patent Number:	9549087
Patent Number:	10929816
Patent Number:	8855273
Patent Number:	10949388
Patent Number:	10567591
Patent Number:	10938993
Application Number:	16116723
Application Number:	17170637
Application Number:	17192506
Application Number:	16811914
Application Number:	17338582
Application Number:	17240851
Application Number:	17189088
Application Number:	17240887
Application Number:	16793425

CORRESPONDENCE DATA

Fax Number: (704)373-8822

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.

Phone: 7043734640

Email: bsmith@mcguirewoods.com

Correspondent Name: BETTY G. SMITH, SENIOR PARALEGAL

Address Line 1: MCGUIREWOODS LLP, 201 N. TRYON ST.

Address Line 2: SUITE 3000

Address Line 4: CHARLOTTE, NORTH CAROLINA 28202

ATTORNEY DOCKET NUMBER:	2066057-0066
NAME OF SUBMITTER:	BETTY G. SMITH
SIGNATURE:	/Betty G. Smith/
DATE SIGNED:	03/09/2022

Total Attachments: 9

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**NOTICE
OF
GRANT OF SECURITY INTEREST
IN
PATENTS**

Dated as of March 4, 2022

United States Patent and Trademark Office

Ladies and Gentlemen:

Please be advised that pursuant to the Collateral Agreement dated as of March 4, 2022 (as amended, restated, supplemented or otherwise modified from time to time, the "Agreement") among the Grantor (as identified on the signature pages hereto), the other grantors party thereto and MUFG UNION BANK, N.A., as collateral agent (the "Collateral Agent") for the Secured Parties referenced therein, the undersigned Grantor has granted a continuing security interest in and continuing lien upon the patents and patent applications identified on Schedule A to the Collateral Agent for the ratable benefit of the Secured Parties. Terms used herein but not otherwise defined shall have the meaning set forth in the Agreement.

The Grantor and the Collateral Agent, on behalf of the Secured Parties, each hereby acknowledge and agree that the security interest in the foregoing patent and patent applications: (i) may only be terminated in accordance with the terms of the Agreement; (ii) is not to be construed as an assignment of any patent or patent application; and (iii) the Grantor hereby acknowledges and affirms that the rights and remedies of the Collateral Agent with respect to the security interest in the foregoing made and granted hereby are more fully set forth in the Agreement, the terms and provisions of which are incorporated herein by reference as if fully set forth herein and that in the event that any provision of this notice is deemed to conflict with the Agreement, the provisions of the Agreement shall control. This Notice of Grant of Security Interest in Patents may be executed in counterparts (and by different parties hereto in different counterparts), each of which shall constitute an original, but all of which when taken together shall constitute a single contract.

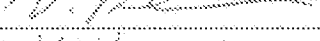
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Very truly yours,

GRANTOR:

J2 CLOUD SERVICES, LLC

J2 Cloud Services, LLC
700 S. Flower Street, 15th Floor
Los Angeles, CA 90017

By: 
Name: Vithya Arbee
Title: CEO and Secretary

JURISDICTION OF FORMATION OF
GRANTOR: DELAWARE

Acknowledged and accepted:

COLLATERAL AGENT:

MUFG Union Bank, N.A.
P.O. Box 65168
Phoenix, AZ 85082

**MUFG UNION BANK, N.A.,
as Collateral Agent**

By: *Gina M West*
Name: Gina West
Title: Director

**SCHEDULE A
TO
NOTICE
OF
GRANT OF SECURITY INTEREST
IN
PATENTS**

1. US Issued Patents

Country	Patent Number	Issue Date	Inventor(s)	Title of Invention
USA	8,838,704	9/16/2014	J2 Cloud Services, LLC	System and process for transmitting electronic mail using a conventional facsimile device
USA	7,539,291	5/26/2009	J2 Cloud Services, LLC	Enhancing messaging services using translation gateways
USA	8,175,229	5/8/2012	J2 Cloud Services, LLC	Enhancing messaging services using translation gateways
USA	9,059,955	6/16/2015	J2 Cloud Services, LLC	System controlling use of a communication channel
USA	7,245,611	7/17/2007	J2 Cloud Services, LLC	Method and process for signaling, communication and administration of networked objects
USA	8,600,014	12/3/2013	J2 Cloud Services, LLC	Enhancing messaging services using translation gateways
USA	7,421,514	9/2/2008	J2 Cloud Services, LLC	MESSAGING PROTOCOL FOR PROCESSING MESSAGES WITH ATTACHMENTS BY INSERTING INTO A FIELD OF THE MESSAGE A UNIQUE PROPERTY OF THE ATTACHING ENTITY
USA	7,689,719	3/30/2010	J2 Cloud Services, LLC	MESSAGING PROTOCOL FOR PROCESSING MESSAGES WITH ATTACHMENTS
USA	8,326,930	12/4/2012	J2 Cloud Services, LLC	Variation of image content in electronic messaging protocol messages
USA	8,028,033	9/27/2011	J2 Cloud Services, LLC	E-mail synchronization between heterogeneous mail servers
USA	8,510,397	8/13/2013	J2 Cloud Services, LLC	Method and apparatus for message notification via RSS feed
USA	8,310,699	11/13/2012	J2 Cloud Services, LLC	A system and method for measuring a fax converted into electronic format
USA	8,675,220	3/18/2014	J2 Cloud Services, LLC	INTERNET FAX MESSAGE SEARCHING AND FAX CONTENT DELIVERY USING KEYWORD DETECTION
USA	9,742,934	8/22/2017	J2 Cloud Services, LLC	INTERNET FAX MESSAGE SEARCHING AND FAX CONTENT

Country	Patent Number	Issue Date	Inventor(s)	Title of Invention
				DELIVERY USING KEYWORD DETECTION
USA	7,480,065	1/20/2009	J2 Cloud Services, LLC	FACSIMILE TELECOMMUNICATIONS SYSTEM AND METHOD
USA	7,869,076	1/11/2011	J2 Cloud Services, LLC	FACSIMILE TELECOMMUNICATIONS SYSTEM AND METHOD
USA	8,081,337	12/20/2011	J2 Cloud Services, LLC	FACSIMILE TELECOMMUNICATIONS SYSTEM AND METHOD
USA	8,400,664	3/19/2013	J2 Cloud Services, LLC	FACSIMILE TELECOMMUNICATIONS SYSTEM AND METHOD
USA	7,474,432	1/6/2009	J2 Cloud Services, LLC	METHODS AND SYSTEMS FOR FAX ROUTING
USA	7,808,671	10/5/2010	J2 Cloud Services, LLC	METHODS AND SYSTEMS FOR FAX ROUTING
USA	8,031,360	10/4/2011	J2 Cloud Services, LLC	METHODS AND SYSTEMS FOR FAX ROUTING
USA	7,808,936	10/5/2010	J2 Cloud Services, LLC	SYSTEMS AND METHODS FOR FACSIMILE ECHO CANCELLATION
USA	8,325,635	12/4/2012	J2 Cloud Services, LLC	SYSTEMS AND METHODS FOR FACSIMILE ECHO CANCELLATION
USA	7,184,160	2/27/2007	J2 Cloud Services, LLC	SPAM FAX FILTER
USA	6,895,017	5/17/2005	J2 Cloud Services, LLC	MEDIA CONVERT SERVICE PROVIDING METHOD
USA	9,258,704	2/9/2016	J2 Cloud Services, LLC	FACILITATING NETWORK LOGIN
USA	9,699,174	7/4/2017	J2 Cloud Services, LLC	FACILITATING NETWORK LOGIN
USA	10,601,812	3/24/2020	J2 Cloud Services, LLC	FACILITATING ACCESS TO PROTECTED CONTENT BY COMMONLY OWNED DEVICES OF A USER
USA	7,957,368	6/7/2011	J2 Cloud Services, LLC	Method and Apparatus for Establishing Communications with a Remote Node on a Switched Network Based on Hypertext Calling Received From a Packet Network
USA	9,203,971	12/1/2015	J2 Cloud Services, LLC	Method and Apparatus for Establishing Communications with a Remote Node on a Switched Network Based on Hypertext Calling Received From a Packet Network

Country	Patent Number	Issue Date	Inventor(s)	Title of Invention
USA	10,075,986	9/11/2018	J2 Cloud Services, LLC	Method and Apparatus for Establishing Communications with a Remote Node on a Switched Network Based on Hypertext Calling Received From a Packet Network
USA	7,324,635	1/29/2008	J2 Cloud Services, LLC	BRANCH CALLING AND CALLER ID BASED CALL ROUTING TELEPHONE FEATURES
USA	8,155,298	4/10/2012	J2 Cloud Services, LLC	TANDEM ACCESS CONTROLLER WITHIN THE PUBLIC SWITCHED TELEPHONE NETWORK
USA	8,175,240	5/8/2012	J2 Cloud Services, LLC	TANDEM ACCESS CONTROLLER WITHIN THE PUBLIC SWITCHED TELEPHONE NETWORK
USA	7,764,777	7/27/2010	J2 Cloud Services, LLC	BRANCH CALLING AND CALLER ID BASED CALL ROUTING TELEPHONE FEATURES
USA	8,718,252	5/6/2014	J2 Cloud Services, LLC	TANDEM ACCESS CONTROLLER WITHIN THE PUBLIC SWITCHED TELEPHONE NETWORK
USA	8,848,894	9/30/2014	J2 Cloud Services, LLC	TANDEM ACCESS CONTROLLER WITHIN THE PUBLIC SWITCHED TELEPHONE NETWORK
USA	9,083,719	7/14/2015	J2 Cloud Services, LLC	CONTROLLER FOR THE INTELLIGENT INTERCONNECTION OF TWO COMMUNICATION NETWORKS, AND METHOD OF USE FOR SAME
USA	9,386,158	7/5/2016	J2 Cloud Services, LLC	CONTROLLER FOR THE INTELLIGENT INTERCONNECTION OF TWO COMMUNICATION NETWORKS, AND METHOD OF USE FOR SAME
USA	9,942,410	4/10/2018	J2 Cloud Services, LLC	CONTROLLER FOR THE INTELLIGENT INTERCONNECTION OF TWO COMMUNICATION NETWORKS, AND METHOD OF USE FOR SAME
USA	8,249,230	8/21/2012	J2 Cloud Services, LLC	SCALABLE AND FLEXIBLE INTERNET FAX ARCHITECTURE
USA	8,254,538	8/28/2012	J2 Cloud Services, LLC	SCALABLE AND FLEXIBLE INTERNET FAX ARCHITECTURE FOR PROCESSING OUTBOUND FAX MESSAGES
USA	8,503,630	8/6/2013	J2 Cloud Services, LLC	SCALABLE AND FLEXIBLE INTERNET FAX ARCHITECTURE
USA	8,588,381	11/19/2013	J2 Cloud Services, LLC	SCALABLE AND FLEXIBLE INTERNET FAX ARCHITECTURE

Country	Patent Number	Issue Date	Inventor(s)	Title of Invention
				FOR PROCESSING OUTBOUND FAX MESSAGES
USA	9,225,851	12/29/2015	J2 Cloud Services, LLC	SCALABLE AND FLEXIBLE INTERNET FAX ARCHITECTURE FOR PROCESSING OUTBOUND FAX MESSAGES
USA	7,114,004	9/26/2006	J2 Cloud Services, LLC	PREMIUM MESSAGING EXCHANGE
USA	7,154,625	12/26/2006	J2 Cloud Services, LLC	HEURISTIC ROUTING OF ELECTRONIC DOCUMENTS
USA	7,895,306	2/22/2011	J2 Cloud Services, LLC	SYSTEMS AND METHODS FOR STORING, DELIVERING, AND MANAGING MESSAGES
USA	8,639,754	1/28/2014	J2 Cloud Services, LLC	SYSTEM AND METHOD FOR PROVIDING A PROTOCOL FOR MESSAGE DATA
USA	9,648,204	5/9/2017	J2 Cloud Services, LLC	PROCESSING A FAX TRANSMISSION USING A MOBILE DEVICE
USA	9,894,242	2/13/2018	J2 Cloud Services, LLC	PROCESSING A FAX TRANSMISSION USING A MOBILE DEVICE
USA	10,334,136	6/25/2019	J2 Cloud Services, LLC	PROCESSING A FAX TRANSMISSION USING A MOBILE DEVICE
USA	9,300,819	3/29/2016	J2 Cloud Services, LLC	COMMUNICATION DEVICE
USA	7,716,296	5/11/2010	J2 Cloud Services, LLC	FAX-TO-EMAIL AND EMAIL-TO-FAX COMMUNICATION SYSTEM AND METHOD
USA	9,055,014	6/9/2015	J2 Cloud Services, LLC	SYSTEM AND METHOD FOR PROVIDING A PROTOCOL FOR MESSAGE DATA
USA	9,042,532	5/26/2015	J2 Cloud Services, LLC	SCALABLE AND FLEXIBLE INTERNET FAX ARCHITECTURE
USA	9,042,265	5/26/2015	J2 Cloud Services, LLC	WORKLOAD BALANCING TECHNIQUE FOR A TELEPHONE COMMUNICATION SYSTEM
USA	8,612,764	12/17/2013	J2 Cloud Services, LLC	METHOD FOR SECURE TRANSMISSION USING A FAX SERVER, SYSTEM AND COMPUTER PROGRAM FOR IMPLEMENTING THIS METHOD
USA	9,325,877	4/26/2016	J2 Cloud Services, LLC	EMAIL TO FAX PROCESSING SYSTEM

Country	Patent Number	Issue Date	Inventor(s)	Title of Invention
USA	7,818,384	10/19/2010	J2 Cloud Services, LLC	SIMULTANEOUS SYNCHRONOUS SPLIT-DOMAIN EMAIL ROUTING WITH CONFLICT RESOLUTION
USA	9,344,597	5/17/2016	J2 Cloud Services, LLC	EMAIL TO FAX PROCESSING SYSTEM
USA	9,344,598	5/17/2016	J2 Cloud Services, LLC	EMAIL TO FAX PROCESSING SYSTEM
USA	10,334,119	6/25/2019	J2 Cloud Services, LLC	TRANSPARENT FAX CALL PROCESSING IN A MOBILE DEVICE
USA	11,190,646	11/30/2021	J2 Cloud Services, LLC	TRANSPARENT FAX CALL PROCESSING IN A MOBILE DEVICE
USA	8,605,296	12/10/2013	J2 Cloud Services, LLC	DIGITAL SIGNATURE SYSTEM AND METHOD
USA	9,565,188	2/7/2017	J2 Cloud Services, LLC	SYSTEM AND METHOD FOR DIGITALLY SIGNING DOCUMENTS FROM A MOBILE DEVICE
USA	9,219,844	12/22/2015	J2 Cloud Services, LLC	INTELLIGENT FAX RETRANSMISSION SYSTEM AND METHOD
USA	9,549,087	1/17/2017	J2 Cloud Services, LLC	SYSTEM AND METHOD FOR GUARANTEED HIGH SPEED FAX DELIVERY
USA	10,929,816	2/23/2021	J2 Cloud Services, LLC	SYSTEMS AND METHODS FOR MESSAGE TRANSMISSION AND RETRIEVAL USING BLOCKCHAIN
USA	8,855,273	10/7/2014	J2 Cloud Services, LLC	EMAIL TO FAX PROCESSING SYSTEM
USA	10,949,388	3/16/2021	J2 Cloud Services, LLC	SYSTEMS AND METHODS FOR DISTRIBUTED DATA STORAGE AND DELIVERY USING BLOCKCHAIN
USA	10,567,591	2/18/2020	J2 Cloud Services, LLC	WORKLOAD BALANCING TECHNIQUE FOR A TELEPHONE COMMUNICATION SYSTEM

Country	Patent Number	Issue Date	Inventor(s)	Title of Invention
USA	10,938,993	3/2/2021	J2 Cloud Services, LLC	WORKLOAD BALANCING TECHNIQUE FOR A TELEPHONE COMMUNICATION SYSTEM

2. Patent Applications

Application Number	Filing Date	Inventor(s)	Title of Invention
16/116,723	8/29/2018	J2 Cloud Services, LLC PCT/US2019043266	ELECTRONIC DOCUMENT SIGNING USING BLOCKCHAIN
17/170,637	2/8/2021	J2 Cloud Services, LLC Cont. 10929816	SYSTEMS AND METHODS FOR MESSAGE TRANSMISSION AND RETRIEVAL USING BLOCKCHAIN
17/192,506	3/4/2021	J2 Cloud Services, LLC Cont. 10949388	SYSTEMS AND METHODS FOR DISTRIBUTED DATA STORAGE AND DELIVERY USING BLOCKCHAIN
16/811,914	3/6/2020	J2 Cloud Services, LLC PCT/US2021020670	METHOD AND SYSTEM FOR SCREENING VOICE CALLS
17/338,582			ON NET BUS
17/240,851			FACSIMILE PATIENT DISTRIBUTION
17/189,088			ON NET SPECIAL PROCESSING
17/240,887			FACSIMILE HEALTHCARE PROVIDER IDENTIFICATION
16/793,425			FACILITATING NETWORK LOGIN