PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
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EPAS ID: PAT8379520

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SUPPLEMENT NO. 1 TO INTELLECTUAL PROPERTY SECURITY AGREEMENT

CONVEYING PARTY DATA

Name	Execution Date
O9 SOLUTIONS, INC.	01/12/2024

RECEIVING PARTY DATA

Name:	JPMORGAN CHASE BANK, N.A.
Street Address:	383 MADISON AVENUE, 22ND FLOOR
City:	NEW YORK
State/Country:	NEW YORK
Postal Code:	10017

PROPERTY NUMBERS Total: 8

Property Type	Number
Patent Number:	11822537
Patent Number:	11809495
Patent Number:	11792094
Application Number:	18119660
Patent Number:	11748640
Application Number:	17835639
Application Number:	17235596
Patent Number:	10387372

CORRESPONDENCE DATA

Fax Number:

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:	8004945225
Email:	ipteam@cogencyglobal.com
Correspondent Name:	STEWART WALSH
Address Line 1:	1025 CONNECTICUT AVE NW, SUITE 712
Address Line 2:	COGENCY GLOBAL INC.
Address Line 4:	WASHINGTON, D.C. 20036

ATTORNEY DOCKET NUMBER:	2236941 PAT
NAME OF SUBMITTER:	ANDREW NASH

SIGNATURE:	/ANDREW NASH/
DATE SIGNED:	01/12/2024

Total Attachments: 5

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SUPPLEMENT NO. 1 TO INTELLECTUAL PROPERTY SECURITY AGREEMENT

This Supplement No. 1 to Intellectual Property Security Agreement (this "***Supplement No. 1***") is made as of the 12th day of January, 2024, by **o9 SOLUTIONS, INC.**, a Texas corporation (the "***Grantor***"), in favor of **JPMORGAN CHASE BANK, N.A.** ("***Lender***").

WHEREAS, the Grantor executed and delivered an Intellectual Property Security Agreement dated as of August 19, 2022 (as amended and of record from time to time hereinafter, the "***Agreement***") in favor of the Lender, pursuant to which the Grantor granted a security interest in certain Copyrights, Trademarks, Patents and Mask Works (collectively, the "***Intellectual Property Collateral***"). Capitalized terms not otherwise defined herein shall have the meaning set forth in the Agreement;

WHEREAS, the Agreement was recorded on (i) August 22, 2022 at Reel 7828, Frame 0681 in the Trademark division of the U.S. Patent and Trademark Office; and (ii) August 22, 2022 at Reel 060855, Frame 0934 in the Patent division of the U.S. Patent and Trademark Office; and

WHEREAS the Grantor desires to confirm the grant of a security interest in certain additional Intellectual Property Collateral in favor of the Lender.

NOW, THEREFORE, in consideration of the mutual covenants herein contained and benefits to be derived herefrom, it is hereby agreed as follows:
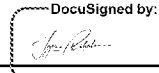
1.   <u>Definitions</u>. All capitalized terms herein and not otherwise defined shall have the same meaning herein as in the Agreement.

2.   <u>Supplement to Patent Exhibit B</u>. Patent <u>Exhibit B</u> to the Agreement is hereby supplemented, but not replaced, by Patent <u>Exhibit B-1</u> annexed hereto.

3.   <u>Supplement to Trademark Exhibit C</u>. Trademark <u>Exhibit C</u> to the Agreement is hereby supplemented, but not replaced, by Trademark <u>Exhibit C-1</u> annexed hereto.

4.   <u>Miscellaneous</u>:

    a.   Except as provided herein, all terms and conditions of the Agreement remain in full force and effect.

    b.   This Supplement covers the entire understanding of the parties with respect to the matters set forth herein and supersedes all prior discussions and negotiations hereon.

[signature pages follow]

IN WITNESS WHEREOF, the undersigned has executed this Supplement as of the date first written above.

GRANTOR:

o9 SOLUTIONS, INC.

By: _____

Name: Igor Rikalo

Title: President, Secretary and Chief Operating Officer

LENDER:

JPMORGAN CHASE BANK, N.A.

By: _____

Name:

Title:

[Signature Page to Supplement No. 1 to Intellectual Property Security Agreement]

IN WITNESS WHEREOF, the undersigned has executed this Supplement as of the date first written above.

GRANTOR:

O9 SOLUTIONS, INC.

By: _____
Name:
Title:

LENDER:

JPMORGAN CHASE BANK, N.A.

By: *William Pearce*
Name: William Pearce, CFA
Title: Vice President

Patents

Description	Application No. / Reg No. / Publication No.	Application Date / Reg. Date / Publication Date
Protocol buffer trie packing and streaming updates	11,822,537 18/130,162	11/21/2023 4/3/2023
Aggregated physical and logical network mesh view	11,809,495 17/979,498	11/7/2023 11/2/2022
Read-write network visualization	11,792,094 17/991,490	10/17/2023 11/21/2022
DYNAMIC MEMORYLESS DEMAND-SUPPLY PEGGING	20230325741 18/119,660	10/12/2023 3/9/2023
Hierarchical tournament-based machine learning predictions	11,748,640 17/979,479	9/5/2023 11/2/2022
UNSTRUCTURED DATA PROCESSING IN PLAN MODELING	20230054383 17/835,639	2/23/2023 6/8/2022
ALERT-BASED LEARNING FOR MULTI-DIMENSIONAL DATA PROCESSING	20220335064 17/235,596	10/10/2022 4/20/2021
Value-based differential data	10,387,372 13/673,963 20170139909	8/20/2019 11/9/2012 5/18/2017

EXHIBIT C-1

Trademarks

Trademark	Serial No / Reg No.	Application / Reg. Date
AIM10X	98288068	11/28/2023
SUPPLY SENSING	97621503	10/6/2022