

## PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

EPAS ID: PAT8140749

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	SECURITY INTEREST

## CONVEYING PARTY DATA

Name	Execution Date
MICRO FOCUS LLC	05/01/2023

## RECEIVING PARTY DATA

<b>Name:</b>	THE BANK OF NEW YORK MELLON
<b>Street Address:</b>	240 GREENWICH STREET, 7TH FLOOR EAST
<b>City:</b>	NEW YORK
<b>State/Country:</b>	NEW YORK
<b>Postal Code:</b>	10286

## PROPERTY NUMBERS Total: 69

Property Type	Number
Patent Number:	7580521
Patent Number:	7607169
Patent Number:	7822658
Patent Number:	7930593
Patent Number:	7984125
Patent Number:	8165972
Patent Number:	8175852
Patent Number:	8185348
Patent Number:	8275757
Patent Number:	8355997
Patent Number:	8429117
Patent Number:	8447719
Patent Number:	8464279
Patent Number:	8478709
Patent Number:	8484221
Patent Number:	8549536
Patent Number:	8572095
Patent Number:	8595799
Patent Number:	8627330
Patent Number:	8635498

PATENT

Property Type	Number
Patent Number:	8763102
Patent Number:	8844015
Patent Number:	8856123
Patent Number:	8884966
Patent Number:	8886795
Patent Number:	8893283
Patent Number:	8924316
Patent Number:	8924797
Patent Number:	8930773
Patent Number:	8930964
Patent Number:	8938067
Patent Number:	9081854
Patent Number:	9092696
Patent Number:	9098563
Patent Number:	9106681
Patent Number:	9182964
Patent Number:	9183123
Patent Number:	9275348
Patent Number:	9276820
Patent Number:	9292408
Patent Number:	9305058
Patent Number:	9356951
Patent Number:	9531755
Patent Number:	9645987
Patent Number:	9646155
Patent Number:	9727322
Patent Number:	9779524
Patent Number:	9921948
Patent Number:	9928237
Patent Number:	9946959
Patent Number:	10013318
Patent Number:	10027686
Patent Number:	10089120
Patent Number:	10091311
Patent Number:	10104109
Patent Number:	10114801
Patent Number:	10121268
Patent Number:	10216776

Property Type	Number
Patent Number:	10242125
Patent Number:	10289838
Patent Number:	10318122
Patent Number:	10346443
Patent Number:	10372769
Patent Number:	10382566
Patent Number:	10395049
Patent Number:	10419269
Patent Number:	10467590
Patent Number:	10423855
Patent Number:	10489266

**CORRESPONDENCE DATA**

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**Address Line 4:** BOSTON, MASSACHUSETTS 02210

<b>ATTORNEY DOCKET NUMBER:</b>	O0470.90000US00
<b>NAME OF SUBMITTER:</b>	KELLY C. RICHTER
<b>SIGNATURE:</b>	/Kelly C. Richter/
<b>DATE SIGNED:</b>	08/30/2023

**Total Attachments: 6**

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## PATENT SECURITY AGREEMENT

This PATENT SECURITY AGREEMENT ("*Patent Security Agreement*") dated May 1, 2023, is made by Micro Focus LLC. (the "*Grantor*") in favor of THE BANK OF NEW YORK MELLON, as Notes Collateral Agent (the "*Notes Collateral Agent*") for the Notes Secured Parties (as defined in the Indenture referred to below).

WHEREAS, the Issuer and the Guarantors have entered into an Indenture dated as of December 1, 2022 (as amended, amended and restated, supplemented or otherwise modified from time to time, the "*Indenture*"), with The Bank of New York Mellon, as U.S. Trustee and Notes Collateral Agent, and BNY Trust Company of Canada, as Canadian Trustee.

WHEREAS, as a condition precedent to the effectiveness of the Indenture, the U.S. Grantors (as a Guarantors under the Indenture) have executed and delivered that certain Security and Pledge Agreement dated as of December 1, 2022 made by the U.S. Grantors in favor of the Notes Collateral Agent for the Notes Secured Parties (as amended, amended and restated, supplemented or otherwise modified from time to time, the "*Security Agreement*").

WHEREAS, Grantor has entered in to a Supplemental Indenture dated as of May 1, 2023, whereby Grantor agreed to be bound by the terms and conditions of the Indenture as a Guarantor, and a Security Agreement Supplement dated as May 1, 2023, whereby Grantor agreed to be bound by the terms and conditions of the Security Agreement as a U.S. Grantor.

WHEREAS, under the terms of the Security Agreement, the Grantor has granted to the Notes Collateral Agent, for the ratable benefit of the Notes Secured Parties, a security interest in, among other property, certain intellectual property of the Grantor, and has agreed as a condition thereof to execute this Patent Security Agreement for recording with the U.S. Patent and Trademark Office.

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

SECTION 1. Defined Terms. Unless otherwise defined herein, capitalized terms used but not defined herein have the meanings given to them in the Indenture or Security Agreement, as applicable.

SECTION 2. Grant of Security. The Grantor hereby grants to the Notes Collateral Agent for the ratable benefit of the Notes Secured Parties a security interest in all of the Grantor's right, title and interest in and to the following, whether now owned or hereafter acquired by Grantor, wherever located, and whether now or hereafter existing or arising (the "*Collateral*"):

- (a) the patents and patent applications set forth in Schedule A hereto (the "*Patents*");
- (b) all reissues, divisions, continuations, continuations-in-part, extensions, renewals and reexaminations of any of the foregoing Patents;
- (c) all rights in the foregoing (a)-(b) provided by international treaties or conventions, all rights corresponding thereto throughout the world and all other rights of any kind whatsoever of the Grantor accruing thereunder or pertaining thereto;
- (d) 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 (a)-(c), with the right, but not the obligation, to sue for and collect, or otherwise recover proceeds arising from

such damages; and

(e) 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 Collateral of or arising from any of the foregoing (a)-(c).

(f) Notwithstanding the foregoing, "*Collateral*" shall not include and the Grantor shall not be deemed to have granted a security interest in any property or agreement of the Grantor (A) to the extent (but only so long as) (x) the granting of a security interest thereunder is prohibited by any Law, (y) requires a consent not obtained of any Governmental Authority pursuant to any Law or (z) is prohibited by, or constitutes a breach or default under or results in the termination of or requires any consent not obtained under, any contract, lease, license, agreement, lease, instrument or other document giving rise to such property, in each case solely to the extent that such breach or default is not rendered ineffective by the UCC or other Law or, in the case of any consent, such consent is actually required to grant such security interest under Law, or (B) any property subject to Liens permitted under the Indenture (other than Liens in favor of the Notes Collateral Agent) to the extent that the grant of such other Liens on such property (i) would result in a material breach or violation of, or constitute a material default under, the agreement or instrument governing such Liens permitted under the Indenture, or (ii) would result in the actual loss of the use of such property.

SECTION 3. Recordation. The Grantor authorizes and requests that the Commissioner for Patents record this Patent Security Agreement.

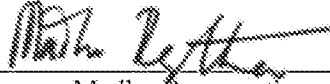
SECTION 4. Grants, Rights and Remedies. This Patent Security Agreement has been entered into in conjunction with the provisions of the Security Agreement. The Grantor does hereby acknowledge and confirm that the grant of the security interest hereunder to, and the rights and remedies of, the Notes Collateral Agent with respect to the Collateral are more fully set forth in the Security Agreement, the terms and provisions of which are incorporated herein by reference as if fully set forth herein.

SECTION 5. Governing Law. This Patent Security Agreement shall be governed by, and construed in accordance with, the laws of the State of New York.

IN WITNESS WHEREOF, the Grantor has caused this Patent Security Agreement to be duly executed and delivered by its officer thereunto duly authorized as of the date first above written.

MICRO FOCUS LLC

By: \_\_\_\_\_



Name: Madhu Ranganathan

Title: President and Treasurer

*[Signature Page to Patent Security Agreement]*

**PATENT**  
**REEL: 064760 FRAME: 0867**

**Schedule A**

**Patents**

<b>Grantor</b>	<b>Title</b>	<b>Patent No.</b>
Micro Focus LLC	Identity-based-encryption system with hidden public key attributes	7580521
Micro Focus LLC	User interface for network security console	7607169
Micro Focus LLC	Dynamic prioritization of activities	7822658
Micro Focus LLC	Segment-based technique and system for detecting performance anomalies and changes for a computer-based service	7930593
Micro Focus LLC	Techniques for deploying virtual machines using a DHCP server to assign reserved IP addresses	7984125
Micro Focus LLC	Determining a feature related to an indication of a concept using a classifier	8165972
Micro Focus LLC	Method of, and system for, process-driven analysis of operations	8175852
Micro Focus LLC	Techniques for monitoring a data stream	8185348
Micro Focus LLC	Apparatus and method for process monitoring	8275757
Micro Focus LLC	Method and system for developing a classification tool	8355997
Micro Focus LLC	Data loading method for a data warehouse	8429117
Micro Focus LLC	Compilation of causal rules into continuations	8447719
Micro Focus LLC	Domain event correlation	8464279
Micro Focus LLC	Evaluation of client status for likelihood of churn	8478709
Micro Focus LLC	Adaptive routing of documents to searchable indexes	8484221
Micro Focus LLC	Performing a workflow having a set of dependancy-related predefined activities on a plurality of task servers	8549536
Micro Focus LLC	Adaptive object identification	8572095
Micro Focus LLC	Access authorization	8595799
Micro Focus LLC	Workload manager managing a workload of an enterprise data warehouse	8627330
Micro Focus LLC	Performance analysis of applications	8635498
Micro Focus LLC	Single sign on infrastructure	8763102
Micro Focus LLC	Application-access authentication agent	8844015
Micro Focus LLC	Document classification	8856123
Micro Focus LLC	Visualizing a scatter plot using real-time backward rewrite	8884966

[Schedule A to Patent Security Agreement]

Grantor	Title	Patent No.
Micro Focus LLC	Method and system for determining response time of a server	8886795
Micro Focus LLC	Performing an automated compliance audit by vulnerabilities	8893283
Micro Focus LLC	Multiclass classification of points	8924316
Micro Focus LLC	Identifying a dimension associated with an abnormal condition	8924797
Micro Focus LLC	Determining root cause	8930773
Micro Focus LLC	Automatic event correlation in computing environments	8930964
Micro Focus LLC	Format preserving encryption methods for data strings with constraints	8938067
Micro Focus LLC	Multilabel classification by a hierarchy	9081854
Micro Focus LLC	Image sign classifier	9092696
Micro Focus LLC	Comparing versions of a hierarchical object	9098563
Micro Focus LLC	Reputation of network address	9106681
Micro Focus LLC	System and method for deploying software into a computing environment	9182964
Micro Focus LLC	Performance tests in a continuous deployment pipeline	9183123
Micro Focus LLC	Identifying participants for collaboration in a threat exchange community	9275348
Micro Focus LLC	Obtaining and displaying network topology information	9276820
Micro Focus LLC	Automated detection of a system anomaly	9292408
Micro Focus LLC	Determining an execution ordering	9305058
Micro Focus LLC	Responses to server challenges included in a hypertext transfer protocol header	9356951
Micro Focus LLC	Field selection for pattern discovery	9531755
Micro Focus LLC	Topic extraction and video association	9645987
Micro Focus LLC	Systems and methods for evaluation of events based on a reference baseline according to temporal position in a sequence of events	9646155
Micro Focus LLC	Methods, apparatus, and articles of manufacture to deploy software applications	9727322
Micro Focus LLC	Visualization that indicates event significance represented by a discriminative metric computed using a contingency calculation	9779524
Micro Focus LLC	Software commit risk level	9921948
Micro Focus LLC	Automated contextual-based software localization	9928237
Micro Focus LLC	Facilitating interpretation of high-dimensional data clusters	9946959
Micro Focus LLC	Distributed event correlation system	10013318

[Schedule A to Patent Security Agreement]



Grantor	Title	Patent No.
Micro Focus LLC	Parameter adjustment for pattern discovery	10027686
Micro Focus LLC	Widgets in digital dashboards	10089120
Micro Focus LLC	Smart location determination	10091311
Micro Focus LLC	Threat scores for a hierarchy of entities	10104109
Micro Focus LLC	Treemap optimization	10114801
Micro Focus LLC	Displaying information technology conditions with heat maps	10121268
Micro Focus LLC	Variance based time series dataset alignment	10216776
Micro Focus LLC	Regular expression matching	10242125
Micro Focus LLC	Scoring for threat observables	10289838
Micro Focus LLC	Determining event and input coverage metrics for a graphical user interface control instance	10318122
Micro Focus LLC	Managing services instances	10346443
Micro Focus LLC	Displaying results, in an analytics visualization dashboard, of federated searches across repositories using as inputs attributes of the analytics visualization dashboard	10372769
Micro Focus LLC	Business service discovery	10382566
Micro Focus LLC	Conditional security indicator sharing	10395049
Micro Focus LLC	Anomaly detection	10419269
Micro Focus LLC	Business process optimization and problem resolution	10467590
Micro Focus LLC	Color recognition through learned color clusters	10423855
Micro Focus LLC	Generating a visualization of a metric at one or multiple levels of execution of a database workload	10489266

[Schedule A to Patent Security Agreement]