

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT5714065

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
DEEPAK MAJETI	09/10/2019
NATALYA AKSMAN	09/10/2019
JAMES CLAMPFFER	09/10/2019
STEPHEN GREGORY WALKAUSKAS	09/10/2019
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	MICRO FOCUS LLC
<b>Street Address:</b>	4555 GREAT AMERICA PARKWAY
<b>City:</b>	SANTA CLARA
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	95054
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16567954
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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>	720-290-4275
<b>Email:</b>	software.ip.mail@microfocus.com
<b>Correspondent Name:</b>	MICRO FOCUS LLC
<b>Address Line 1:</b>	500 WESTOVER DRIVE
<b>Address Line 2:</b>	#12603
<b>Address Line 4:</b>	SANFORD, NORTH CAROLINA 27330
<b>ATTORNEY DOCKET NUMBER:</b>	92039811
<b>NAME OF SUBMITTER:</b>	BRENDA L. THOM
<b>SIGNATURE:</b>	/Brenda L. Thom/
<b>DATE SIGNED:</b>	09/11/2019
<b>Total Attachments: 6</b>	
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MICRO FOCUS LLC  
500 Westover Dr., #12603  
Sanford, NC 27330  
software.ip.mail@microfocus.com

PATENT APPLICATION

RECORD ID: 92039811

ASSIGNMENT OF PATENT APPLICATION

I/We, the undersigned (each), for good and valuable consideration, the receipt of which is hereby acknowledged, and in furtherance of my/our obligations to MICRO FOCUS LLC a limited liability company having its principal place of business at 4555 Great America Parkway, Santa Clara, CA 95054, and to its subsidiaries and affiliates, agree to assign and transfer and hereby assign and transfer to MICRO FOCUS LLC, its successors and assigns, the entire right, title and interest, including the right of priority, in, to and under an application for Patent entitled:

COMPLEX DATA TYPE ENCODING WITHIN COLUMNAR DATABASE

Filing Date: September 11, 2019 Application No.: 16/567954

and the invention(s) and improvement(s) set forth therein, and any and all continuations, continuations-in-part (C-I-P's), divisionals, and renewals of and substitutes for said application for said Patent, and any and all other Patent of any countries thereto which may be granted thereon or therefore; and any reissues, or reexaminations, or extensions of said Patent.

I/we additionally authorize MICRO FOCUS LLC to file applications in my/our name for Patent in any country, to be held and enjoyed by MICRO FOCUS LLC, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by me/us had this assignment, and transfer not been made;

AND I/we hereby covenant that I/we have full right to convey the entire interest herein assigned, and that I/we have not executed and will not execute any agreement in conflict herewith, and I/we further covenant and agree that I/we will, each time a request is made, and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said invention(s) or improvement(s), said application and said Patent, to MICRO FOCUS LLC, its successors, assigns, nominees or legal representatives, and I/we agree to communicate to MICRO FOCUS LLC or to its nominee, all known facts respecting said invention(s) or improvement(s), said application and said Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisionals, continuations, C-I-P's, reissue and foreign applications, to make all rightful oaths and declarations, and generally to do everything possible to aid MICRO FOCUS LLC, its successors, assigns, nominees and legal representatives to obtain and enforce, for its or their own benefit, proper patent protection for said invention(s) or improvement(s) in any and all countries provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by MICRO FOCUS LLC;

AND I/we hereby authorize and request the official of any country or countries whose duty it is to issue patents on applications as aforesaid, to issue to MICRO FOCUS LLC, as assignee of the entire right, title and interest, any and all Patent for said invention(s) or improvement(s) which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.

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Deepak Majeti  
Inventor's Signature

09/10/2019  
Date

Deepak Majeti  
First/Middle Name Last Name

\_\_\_\_\_  
Inventor's Signature

\_\_\_\_\_  
Date

Nataliya Aksman  
First/Middle Name Last Name

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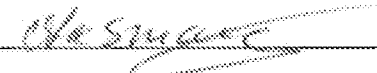
AND I/we hereby covenant that I/we have full right to convey the entire interest herein assigned, and that I/we have not executed and will not execute any agreement in conflict herewith, and I/we further covenant and agree that I/we will, each time a request is made, and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said invention(s) or improvement(s), said application and said Patent, to MICRO FOCUS LLC, its successors, assigns, nominees or legal representatives, and I/we agree to communicate to MICRO FOCUS LLC or to its nominee, all known facts respecting said invention(s) or improvement(s), said application and said Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisionals, continuations, C-I-P's, reissue and foreign applications, to make all rightful oaths and declarations, and generally to do everything possible to aid MICRO FOCUS LLC, its successors, assigns, nominees and legal representatives to obtain and enforce, for its or their own benefit, proper patent protection for said invention(s) or improvement(s) in any and all countries provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by MICRO FOCUS LLC;

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\_\_\_\_\_  
Inventor's Signature Date

Deepak Majeti  
\_\_\_\_\_  
First/Middle Name Last Name

 9/10/2019  
\_\_\_\_\_  
Inventor's Signature Date

Natalya Aksman  
\_\_\_\_\_  
First/Middle Name Last Name

June 2019

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RECORD ID: 92039811

ASSIGNMENT OF PATENT APPLICATION (cont.)

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Inventor's Signature Date

James Clampffer  
\_\_\_\_\_  
First/Middle Name Last Name

\_\_\_\_\_  
Inventor's Signature Date

Stephen Gregory Walkauskas  
\_\_\_\_\_  
First/Middle Name Last Name

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Inventor's Signature Date

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Inventor's Signature

Date

Deepak

Majeti

First/Middle Name

Last Name

Inventor's Signature

Date

Natalya

Aksman

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June 2019

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ASSIGNMENT OF PATENT APPLICATION (cont.)

James Clampfer \_\_\_\_\_ 9-10-19 \_\_\_\_\_  
Inventor's Signature Date

James Clampfer  
First/Middle Name Last Name

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Inventor's Signature Date

Stephen Gregory Waikuskas  
First/Middle Name Last Name

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Inventor's Signature Date

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First/Middle Name Last Name

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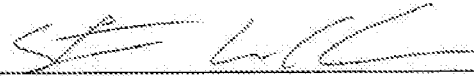
PATENT APPLICATION

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ASSIGNMENT OF PATENT APPLICATION (cont.)

Inventor's Signature \_\_\_\_\_ Date \_\_\_\_\_

James \_\_\_\_\_ Clampffer \_\_\_\_\_  
First/Middle Name Last Name

 \_\_\_\_\_ Date 9-10-19

Stephen Gregory \_\_\_\_\_ Walkauskas \_\_\_\_\_  
First/Middle Name Last Name

Inventor's Signature \_\_\_\_\_ Date \_\_\_\_\_

First/Middle Name \_\_\_\_\_ Last Name \_\_\_\_\_

Inventor's Signature \_\_\_\_\_ Date \_\_\_\_\_

First/Middle Name \_\_\_\_\_ Last Name \_\_\_\_\_

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First/Middle Name \_\_\_\_\_ Last Name \_\_\_\_\_

Inventor's Signature \_\_\_\_\_ Date \_\_\_\_\_

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