PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4267980

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|------------------|----------------|
| ALONA KAPLAN | 02/01/2017 |
| MICHAEL KOLESNIK | 02/06/2017 |

RECEIVING PARTY DATA

| Name: | RED HAT ISRAEL, LTD. |
|-----------------|----------------------|
| Street Address: | 34 JERUSALEM ROAD |
| City: | RAANANA |
| State/Country: | ISRAEL |
| Postal Code: | 43501 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 15425590 |

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.

Email: mkrueger@lowenstein.com
Correspondent Name: LOWENSTEIN SANDLER
Address Line 1: 65 LIVINGSTON AVENUE

Address Line 2: PATENT DOCKET ADMINISTRATOR
Address Line 4: ROSELAND, NEW JERSEY 07068

| ATTORNEY DOCKET NUMBER: | 08671.480 (L0480) |
|-------------------------|-------------------|
| NAME OF SUBMITTER: | DEVIN W. MILLER |
| SIGNATURE: | /Devin W. Miller/ |
| DATE SIGNED: | 02/09/2017 |

Total Attachments: 3

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PATENT 504221303 REEL: 041217 FRAME: 0964

DECLARATION (37 CFR 1.63) AND ASSIGNMENT FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

| Title of Invention | COMPILER EXTENSION FOR CORRECTING ERROR MESSAGES |
|---|--|
| This declaration and assignmer is directed to: | ☐ United States application or PCT international application number15/425,590 at filed on February 6, 2017 |
| DECLARA. | TION |
| As a below | named inventor, I hereby declare that: |
| The above | e-identified application was made or authorized to be made by me. |
| l believe t | hat I am the original inventor or an original joint inventor of a claimed invention in the application. |
| | cknowledge that any willful false statement made in this declaration is punishable under 18 01 by fine or imprisonment of not more than five (5) years, or both. |
| ASSIGNN | IENT |
| For good | and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the |
| undersign | ed, hereby sell, assign, and transfer to <u>Red Hat Israel, Ltd.</u> |
| a | corporation of Israel , |
| (Type of Assi | gnee: e.g., corporation, company, partnership, university, etc.) |
| having a p | principal place of business at34 Jerusalem Road, Raanana, Israel 43501, |
| the United disclosed and all pro divisional application | e"), and its successors, assigns, and legal representatives, the entire right, title, and interest for I States and all foreign countries, in and to any and all inventions or improvements that are in the above identified application and in and to said application (provisional or non-provisional) ovisional applications, non-provisional applications, utility applications, design applications, applications, continued prosecution applications, continuation-in-part ns, substitute applications, renewal applications, reissue applications, reexaminations, s, and all other patent applications that have been or shall be filed in the United States |

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improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications on any and all said inventions or improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said inventions or improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said inventions or improvements and for vesting title to said inventions or improvements, and all applications for patents and all patents on said inventions or improvements, in said Assignee, its successors, assigns, and legal representatives; and covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

| LEGAL NAME | OF INVENTOR | |
|-------------|-----------------------------|------------------|
| Inventor: | Alona Kaplan | Date: 02/01/2014 |
| | | |
| Inventor: | Date (Optional): 02/01/2017 | |
| Signature: | - life | |
| LEGAL NAME | OF INVENTOR | |
| Inventor: | Michael Kolesnik | Date: |
| | | |
| Inventor: | Date (Optional) : | |
| Signature: | | |

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and all foreign countries on any of said inventions or improvements; and in and to all original patents, reissued patents, reexamination certificates, and extensions, that have been or shall be issued in the United States and all foreign countries on said inventions or improvements; and in and to all rights of priority resulting from the filing of said application;

agree that said Assignee may apply for and receive a patent or patents for said inventions or improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications on any and all said inventions or improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said inventions or improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said inventions or improvements and for vesting title to said inventions or improvements, and all applications for patents and all patents on said inventions or improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

| LEGAL NAME OF INVENTOR | |
|----------------------------|---------------|
| Inventor: Alona Kaplan | Date: |
| Signature: | |
| LEGAL NAME OF INVENTOR | 1/2/10 |
| Inventor: Michael Kolesnik | Date: 6/24 /7 |
| Signature: Cara- | |

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RECORDED: 02/09/2017

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REEL: 041217 FRAME: 0967