

<b>PATENT ASSIGNMENT COVER SHEET</b>
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 Stylesheet Version v1.2

EPAS ID: PAT4813202

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

**CONVEYING PARTY DATA**

Name	Execution Date
DESCARTES U.S. HOLDINGS, INC.	01/29/2018

**RECEIVING PARTY DATA**

<b>Name:</b>	THE DESCARTES SYSTEMS GROUP INC.
<b>Street Address:</b>	120 RANDALL DRIVE
<b>City:</b>	WATERLOO, ON
<b>State/Country:</b>	CANADA
<b>Postal Code:</b>	N2V 1C6

**PROPERTY NUMBERS Total: 16**

Property Type	Number
Patent Number:	7409353
Patent Number:	8126821
Patent Number:	8185479
Patent Number:	8521656
Patent Number:	8812409
Patent Number:	8805747
Application Number:	12169509
Patent Number:	7624025
Patent Number:	8527429
Patent Number:	9646281
Application Number:	14323769
Application Number:	14322674
Patent Number:	8818912
Application Number:	13958378
Application Number:	15497098
Application Number:	14338183

**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.*

**PATENT**

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**Email:** dolder@lowegrahamjones.com  
**Correspondent Name:** ELLEN M. BIERMAN  
**Address Line 1:** 701 FIFTH AVENUE  
**Address Line 2:** SUITE 4800  
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**ATTORNEY DOCKET NUMBER:** ZFRM-5-1001

**NAME OF SUBMITTER:** ELLEN M. BIERMAN

**SIGNATURE:** /Ellen M. Bierman/

**DATE SIGNED:** 02/07/2018

**Total Attachments: 4**

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## ASSIGNMENT

WHEREAS, Descartes U.S. Holdings, Inc. (hereinafter referred to as ASSIGNOR), a Delaware corporation, having a principal address at 120 Randall Drive, Waterloo, Ontario N2V 1C6, Canada, is the current owner of the Patents and Patent Applications (hereinafter referred to as INVENTIONS) listed in the attached Schedule A; and

WHEREAS, The Descartes Systems Group Inc. (hereinafter referred to as ASSIGNEE), a Delaware corporation, having a principal address at 120 Randall Drive, Waterloo, Ontario N2V 1C6, Canada, is desirous of acquiring the entire right, title, and interest in and to any letters patent that may be, or have been, granted therefor in the United States and in any and all foreign countries, and/or has already acquired the entire right, title and interest in and to the INVENTIONS through other means; and

WHEREAS, the parties hereto wish to provide, via this Assignment, a complete and formal transfer of all rights originating with said INVENTIONS in a form suitable for recordation;

NOW, THEREFOR, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR hereby sells, assigns and transfers unto said ASSIGNEE the entire right, title and interest in and to said INVENTIONS, said INVENTIONS and any and all letters patent which may be or have been granted for said INVENTIONS in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said INVENTIONS to which said foreign INVENTIONS are entitled by virtue of international convention, treaty or otherwise, said INVENTIONS and all letters patent on said INVENTIONS to be held and enjoyed by ASSIGNEE and its successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNOR had this assignment, transfer and sale not been made.

ASSIGNOR hereby irrevocably designates and appoints the ASSIGNEE and its duly authorized officers and agents as its agent and attorney in fact, to act for and in its behalf to execute, verify and file any such documents and to do all other lawfully permitted acts to further the purposes of this assignment with the same legal force and effect as if executed by

LOWE GRAHAM JONES <sup>REG.</sup>

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Seattle, Washington 98104  
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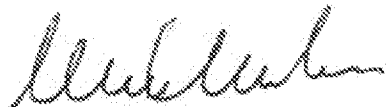
**PATENT**

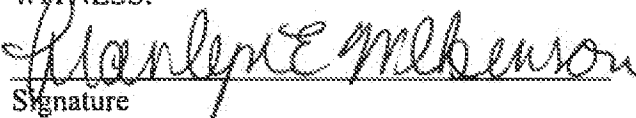
**REEL: 044851 FRAME: 0599**

ASSIGNOR. ASSIGNOR hereby waives and quitclaims to the ASSIGNEE any and all claims, of any nature whatsoever, which ASSIGNOR now or may hereafter have for infringement of any proprietary rights assigned to the ASSIGNEE.

If any provision of this assignment is held by any court to be unenforceable, such provision shall be interpreted to accomplish the objectives of the original provision to the fullest extent allowed by law, and the remainder of this assignment shall remain in full force and effect.

EXECUTED at Waterloo (city), ON Canada (state/country),  
on Jan 29, 2018.

  
\_\_\_\_\_  
Michael Verhoeve  
Vice-President and Secretary  
For Descartes U.S. Holdings, Inc.

WITNESS:  
  
\_\_\_\_\_  
Signature  
Marilyn Wilkinson  
\_\_\_\_\_  
Print Name  
Jan 29, 2018  
\_\_\_\_\_  
Date

**SCHEDULE A**

<u><i>U.S. Patent Application / Patent No.</i></u>	<u><i>Filing / Issue Date</i></u>	<u><i>Title</i></u>	<u><i>LGJ Ref. No.</i></u>
7,409,353	8/5/2008	METHODS AND SYSTEMS FOR PRODUCING SHIPPING LABELS	ZFRM-1-2401
8,126,821	2/28/2012	METHODS AND SYSTEMS FOR SUPPORTING THE PRODUCTION OF SHIPPING LABELS	ZFRM-1-2402
8,185,479	5/22/2012	SHIPMENT PREPARATION USING NETWORK RESOURCE IDENTIFIERS IN PACKING LISTS	ZFRM-1-2403
8,521,656	8/27/2013	SYSTEMS AND METHODS FOR PROVIDING EXTENDED SHIPPING OPTIONS	ZFRM-1-2404
8,812,409	8/19/2014	REDUCING PAYLOAD SIZE OF MACHINE-READABLE DATA BLOCKS IN SHIPMENT PREPARATION PACKING LISTS	ZFRM-1-2405
8,805,747	8/12/2014	SECURING SHIPMENT INFORMATION ACCESSED BASED ON DATA ENCODED IN MACHINE-READABLE DATA BLOCKS	ZFRM-1-2406
12/169,509	7/8/2008	METHODS AND SYSTEMS FOR PRODUCING SHIPPING LABELS	ZFRM-1-2501
7,624,025	11/24/2009	METHODS AND SYSTEMS FOR SUPPORTING THE PRODUCTION OF SHIPPING LABELS	ZFRM-1-2502
8,527,429	9/3/2013	SHIPMENT PREPARATION USING NETWORK RESOURCE IDENTIFIERS IN PACKING LISTS	ZFRM-1-2503
9,646,281	5/9/2017	SYSTEMS AND METHODS FOR PROVIDING EXTENDED SHIPPING OPTIONS	ZFRM-1-2504

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14/323,769	7/3/2014	REDUCING PAYLOAD SIZE OF MACHINE-READABLE DATA BLOCKS IN SHIPMENT PREPARATION PACKING LISTS	ZFRM-1-2505
14/322,674	7/2/2014	SECURING SHIPMENT INFORMATION ACCESSED BASED ON DATA ENCODED IN MACHINE-READABLE DATA BLOCKS	ZFRM-1-2506
8,818,912	8/26/2014	METHODS AND SYSTEMS FOR SUPPORTING THE PRODUCTION OF SHIPPING LABELS	ZFRM-1-2601
13/958,378	8/2/2013	SHIPMENT PREPARATION USING NETWORK RESOURCE IDENTIFIERS IN PACKING LISTS	ZFRM-1-2603
15/497,098	4/25/2017	SYSTEMS AND METHODS FOR PROVIDING EXTENDED SHIPPING OPTIONS	ZFRM-1-2604
14/338,183	7/22/2014	METHODS AND SYSTEMS FOR SUPPORTING THE PRODUCTION OF SHIPPING LABELS	ZFRM-1-2701