PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
BHARATH K. KRISHNAN	09/21/2016
RENE BORM	09/19/2016
JOSHUA CORREA	09/15/2016
RENE KESSLER	09/19/2016
PETER KOCH	09/19/2016
VISHWAMITRA S. RAMAKRISHNAN	09/21/2016

RECEIVING PARTY DATA

Name:	DEMANDWARE, INC.
Street Address:	5 WALL STREET
City:	BURLINGTON
State/Country:	MASSACHUSETTS
Postal Code:	01803

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15181594

CORRESPONDENCE DATA

Fax Number: (617)310-9000

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: 617-439-2000 Email: kmay@nutter.com

Correspondent Name: DAVID J. POWSNER C/O NUTTER MCLENNEN & FISH LLP

Address Line 1: 155 SEAPORT BOULEVARD

Address Line 4: BOSTON, MASSACHUSETTS 02210

ATTORNEY DOCKET NUMBER:	110316-9
NAME OF SUBMITTER:	DAVID J. POWSNER
SIGNATURE:	/DAVID J. POWSNER/
DATE SIGNED:	10/05/2016

Total Attachments: 6

PATENT REEL: 039947 FRAME: 0171

PATENT REEL: 039947 FRAME: 0172

ASSIGNMENT BY INVENTORS

per aprilially

THIS ASSIGNMENT is made by Bharath K. Krishnayresiding at 12348 Main

25 PEACOCK FARM RD.

Campus Drive, Lexington, MA 02421; Rene Borm residing at Meuselwitzer Str. 115, 07546

Gera, Thuringia, Germany; Joshua Correa residing at 22 Bigelow Street Apt 1A, Cambridge,

MA 02139; René Kessler residing at Leo-Sachse-Str. 9, 07749 Jena, Thuringia, Germany;

Peter Koch residing at Hilgenfeldweg 30, 07743 Jena, Germany; and

Vishwamitra S. Ramakrishnan residing at 177 Vishwamitra S. Ramakrishnan residing at 17 Locust Street Belmont, MA 02478 (hereinafter

WHEREAS. Assignor(s) have invented certain new and useful improvements (hereinafter, "inventions") disclosed and/or claimed in the Application(s) for Letters Patent listed below:

referred to as Assignor(s) and treated grammatically in the plural, regardless of actual number);

U.S. Application No. 15/181,594 already filed on June 14, 2016, entitled DIGITAL DATA PROCESSING METHODS AND APPARATUS FOR THE PERSONAL USER INTERFACE GENERATION THROUGH PREDICTIVE **SEARCH**

WHEREAS, Demandware, Inc., a Corporation organized under and pursuant to the laws of Delaware having its principal place of business at Demandware, Inc., 5 Wall Street, Burlington, Massachusetts 01803 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignor(s) have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, Assignors' entire right, title and interest in and to the above-mentioned inventions and Application(s) for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuationsin-part of said Application(s) for Letters Patent, and any and all Letters Patent in the United

States and all foreign countries which may be granted therefor and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignor(s), had this sale and assignment not been made.

AND for the same consideration, Assignor(s) hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignor(s) are the sole and lawful owner of the entire right, title and interest in and to the said inventions and Application(s) for Letters Patent above-mentioned, and that the same are unencumbered and that Assignor(s) have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignor(s) hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignor(s) will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise; that any proceeding in connection with said inventions, or said Application(s) for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any Application(s) for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

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PATENT REEL: 039947 FRAME: 0174 **AND** Assignor(s) hereby request the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

AND Assignor(s) hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

NUTTER MCCLENNEN & FISH LLP

All practitioners at Customer Number 21125

AND Assignor(s) acknowledge an obligation of assignment of the inventions to Assignee at the time the inventions were made.

By: Bharath K. Krishnah Pate: 921206 FRANKLIN COLLAZO Notary Public COMMONWEALTH OF MASSACHUSETTS My Commission Expires July 1, 2022	On this 211 day of September, 2016, before me, the undersigned notary public, personally appeared Bhose K. Kesham (name of document signer), proved to me through satisfactory evidence of identification, which were to be the person whose name is signed on the preceding or attached document, and Acknowledged to me that (he)(she) signed it voluntarily for its stated purpose. (Notary Public) [Notary's Seal Here] My Commissioner Expires: July 1, 2022
By: Rene Borm	Witness:
Date:	Date:

AND Assignor(s) hereby request the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

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NUTTER MCCLENNEN & FISH LLP

All practitioners at Customer Number 21125

AND Assignor(s) acknowledge an obligation of assignment of the inventions to Assignee at the time the inventions were made.

Ву:	me, the undersigned notary public, personally
Bharath K. Krishna	appeared (name of
	document signer), proved to me through satisfactory
	evidence of identification, which were to be the person
	whose name is signed on the preceding or attached
Date:	document, and Acknowledged to me that (he)(she) signed
	it voluntarily for its stated purpose.
	(Notary Public)
	[Notary's Seal Here]
	My Commissioner Expires:
e keve eli	
By: Rene Borm	Witness: Finja Webe
13. 2 m	10 0 1 0
Date: 19 50/0 2016	Date: 14 Sept. 2016

By: Voshua Correa Date: Sept 15 2016	On this before me, the undersigned notary public, personally appeared before me, the undersigned in the undersigned in the undersigned in the person whose name is signed on the preceding or attached document, and Acknowledged to me that (he)(she) signed it voluntarily for its stated purpose. (Notary Public)
Notary Public COMMONWEALTH OF MASSACHUSETTS My Commission Expires July 1, 2022	[Notary's Seal Here] My Commissioner Expires: July 1, 202Z
By: René Kessler	Witness:
Date:	Date:
By:Peter Koch	Witness:
Date:	Date:
By: Vishwamitra S. Ramakrishnan	On this day of, 20, before me, the undersigned notary public, personally appeared (name of document signer), proved to me through satisfactory evidence of identification, which were to be the person whose name is signed on the preceding or attached
Date:	document, and Acknowledged to me that (he)(she) signed it voluntarily for its stated purpose.
	(Notary Public) [Notary's Seal Here] My Commissioner Expires:

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me, the undersigned notary public, personally appeared (name of document signer), proved to me through satisfactory evidence of identification, which were to be the person whose name is signed on the preceding or attached document, and Acknowledged to me that (he)(she) signed it voluntarily for its stated purpose.
(Notary Public) [Notary's Seal Here] My Commissioner Expires:
Witness: Aija Wicks
Date: 19-Sep). 7016
Witness: Finga Lanthe
Date: <u>19. SQA 2016</u>
On this 215 day of Stokenst, 2016, before me, the undersigned notary public, personally appeared Shamoto S. Markoto (name of document signer), proved to me through satisfactory evidence of identification, which were to be the person whose name is signed on the preceding or attached document, and Acknowledged to me that (he)(she) signed
(Notary Public) [Notary's Seal Here] My Commissioner Expires: Jy 1, 2022