504514386 08/22/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 EPAS ID: PAT4561091

Stylesheet Version v1.2

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MADHAV S. DURBHA	04/12/2016
JOHN SARVARI	04/13/2017
ANAND MEDEPALLI	04/24/2017

RECEIVING PARTY DATA

Name:	JDA SOFTWARE GROUP, INC.
Street Address:	15059 N SCOTTSDALE RD, STE 400
City:	SCOTTSDALE
State/Country:	ARIZONA
Postal Code:	85254

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	15484999	

CORRESPONDENCE DATA

Fax Number: (480)464-5692

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: 480-464-1111

Email: slaureanti@jacksonwhitelaw.com

Correspondent Name: STEVEN J. LAUREANTI

Address Line 1: 40 NORTH CENTER STREET, SUITE 200

Address Line 4: MESA, ARIZONA 85201

ATTORNEY DOCKET NUMBER:	1180.5094
NAME OF SUBMITTER:	STEVEN J. LAUREANTI
SIGNATURE:	/Steven J. Laureanti/
DATE SIGNED:	08/22/2017

Total Attachments: 10

source=5094P-5094_JDA_Patent_Assignment_Signed#page1.tif source=5094P-5094_JDA_Patent_Assignment_Signed#page2.tif source=5094P-5094_JDA_Patent_Assignment_Signed#page3.tif source=5094P-5094_JDA_Patent_Assignment_Signed#page4.tif

PATENT 504514386 REEL: 043358 FRAME: 0137



PATENT REEL: 043358 FRAME: 0138

ASSIGNMENT

In consideration of my agreement(s) with JDA Software Group, Inc. and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I, Ripu Daman Singh, an individual residing in 712 Bryson Way, Southlake, Texas 76092, I, Madhav S. Durbha, an individual residing in 3740 Seaton Dr, Suwanee, Georgia 30024, I, John Sarvari, an individual residing in 3415 Parsons Run, Suwanee, Georgia 30024, and I, Anand Medepalli, an individual residing in 20 Glenmore House, 64 Richmond Hill, Richmond TW10 6BQ. UK (collectively referred to herein as the "ASSIGNOR"), do hereby irrevocably assign, transfer, set over, convey, and deliver, and will irrevocably assign, transfer, set over, convey, and deliver to JDA Software Group, Inc. a Delaware corporation, having a principal place of business located at 15059 N Scottsdale Rd, Ste 400, Scottsdale, Arizona 85254, its successors and assigns (collectively referred to herein as "ASSIGNEE"), all of my right, title, and interest in, to, and under any and all subject matter disclosed and/or claimed in the application(s) for patent, titled:

SUPPLY CHAIN DIGITAL HUB OF HUBS

filed in the U.S. Patent and Trademark Office on April 11, 2016, and assigned Application No. 62/321,123; a copy of which has been provided to me and I have reviewed; in, to and under the application(s) and any and all utility, design, provisional, non-provisional, prosecution. continuation-in-part. continued request-for-continuedcontinuation. examination, and divisional applications thereof; in, to, and under, my exclusive right to make and prosecute any and all applications for patents, reissues, renewals, and extensions thereof; in, to, and under any and all patents and Convention and Treaty rights of all kinds, in the United States of America and all other countries throughout the world, for all such subject matter; in, to, and under any and all know-how and/or confidential, proprietary, and/or trade secret information relating to any such subject matter, applications, patents, and/or technology; in, to, and under the right to sue for present, past, and future infringement or misappropriation relating to any such subject matter, applications, patents, and/or technology; in, to, and under the right to enforce any rights and file any causes of action, in law and/or equity, relating to any such subject matter, applications, patents, and/or technology; and in, to, and under the right to all income, royalties, fees, damages, and payments now or hereafter due or payable in respect to any such subject matter, applications, patents, and/or technology. The right, title, and interest is and shall be held and enjoyed by ASSIGNEE and its successors and assigns as fully and exclusively as it would have been held and enjoyed by ASSIGNOR had this assignment not been made. I request the applicable official having authority to issue patents and/or corresponding rights to issue same on the subject matter of the invention(s) to ASSIGNEE, its successors and assigns, and, if called upon by ASSIGNEE, its successors, assigns, or legal representatives, I agree to promptly sign any and all documents necessary to secure any and all such patents and/or rights and for issuance of same to ASSIGNEE or its successors and assigns.

I covenant with ASSIGNEE, its successors, assigns, and legal representatives, which the interest and property hereby conveyed is free from all prior assignment, grant, mortgage, license, or other encumbrance.

PATENT REEL: 043358 FRAME: 0139

I grant to ASSIGNEE, its successors, assigns, and legal representatives the power to insert on this Assignment any further identification, including the application numbers and filing dates, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office, and/or any other patent office in any other country throughout the world, for recordation of this document.

I confirm that I have not made any agreement in conflict with this Assignment. I further agree that I will provide information within my knowledge or belief, and do any and all other relevant things that ASSIGNEE, its successors, assigns, or legal representatives deem necessary or desirable and request of me in connection with obtaining and/or maintaining any such patents and/or rights; in connection with any proceeding, controversy, and/or litigation pertaining to any such patents and/or rights; in order to perfect and/or enforce the ownership by ASSIGNEE, its successors and assigns, of the right, title, and interest conveyed by this Assignment; and/or in connection with this Assignment, without payment of consideration to me beyond that called for in my written agreement with ASSIGNEE on the understanding, however, that ASSIGNEE will bear all reasonable expenses actually incurred for or in connection with such matters. This Assignment and the obligations assumed by me shall be binding on my heirs and personal representatives.

Date:	Ripu Daman Singh
State of)	
State of	SS.
proved to me on the basis of sati identified in the instrument above and the same in his/her authorized capaciperson, or the entity upon behalf of which is the control of	of
WITNESS my hand and officia	al seal.
	Notary Public My commission expires:

Attorney Docket No.: 1180,5094P

Date: 04/12/16	D.S.S.Malley
State of Greovara) ss. County of Gwivineth	Madhav S. Durbha
County of <u>Gwivneth</u>	
On this day of person proved to me on the basis of satisfactory evidentified in the instrument above and acknowled the same in his/her authorized capacity, and that person, or the entity upon behalf of which the person certify under PENALTY OF PERJIC CREVISM that the foregoing paragraph is the control of the person of the certify under PENALTY of PERJIC CREVISM that the foregoing paragraph is the control of the certify under penalty of the certify that the foregoing paragraph is the certification of the cert	Iged to me that he/she voluntarily executed to by his/her signature on the instrument the son acted, executed the instrument. URY under the laws of the State of
WITNESS my hand and official seal.	
O BOTANA O B	Notary Public My commission expires: \(\(\sum_{1/2} \)

Date:							
			Johi	n Sarvari			
State of)					
County of) ss.)					
On	this	day of	. personall	v appeared	2016, John Sarva	beforari. who	e me, o proved
instrument at his/her autho	basis of satisfa bove and ackn rized capacity, n behalf of whi	owledged to and that by	me that he his/her signa	she voluntar ature on the	rily execute instrument	ed the	same in
l cert	ify under PE that the for	NALTY OF egoing parag			laws of	the S	State of
WITNE	ESS my hand a	and official se	al.				
				ary Public commission	expires:		

Attorney Docket No.: 1180,5094P

Date: 27 May 2016

1" Witness Printed Name

2nd Witgese Signature

MUkUNDAN DEVALASAへり 2nd Witness Printed Name

ASSIGNMENT

In consideration of my agreement(s) with JDA Software Group, Inc. and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I, Ripu Daman Singh, an individual residing in 712 Bryson Way, Southlake, TX 76092, I, Madhav S. Durbha, an individual residing in 3740 Seaton Dr, Suwanee, GA 30024, I, John Sarvari, an individual residing in 3415 Parsons Run, Suwanee, GA 30024, and I, Anand Medepalli, an individual residing in 20 Glenmore House, 64 Richmond Hill, Richmond TW10 6BQ, UK (collectively referred to herein as the "ASSIGNOR"), do hereby irrevocably assign, transfer, set over, convey, and deliver, and will irrevocably assign, transfer, set over, convey, and deliver Group, Inc. a Delaware corporation, having a principal place of business located at 15059 N Scottsdale Rd, Ste 400, Scottsdale, Arizona 85254, its successors and assigns (collectively referred to herein as "ASSIGNEE"), all of my right, title, and interest in, to, and under any and all subject matter disclosed and/or claimed in the application(s) for patent, titled:

SYSTEM AND METHOD OF PROVIDING A SUPPLY CHAIN DIGITAL HUB

filed in the U.S. Patent and Trademark Office on April 11, 2017, and assigned Application No. 15/484,999; a copy of which has been provided to me and I have reviewed; in, to and under the application(s) and any and all utility, design, provisional, non-provisional, request-for-continuedprosecution. continuation-in-part. continued continuation. examination, and divisional applications thereof; in, to, and under, my exclusive right to make and prosecute any and all applications for patents, reissues, renewals, and extensions thereof; in, to, and under any and all patents and Convention and Treaty rights of all kinds, in the United States of America and all other countries throughout the world, for all such subject matter; in, to, and under any and all know-how and/or confidential, proprietary, and/or trade secret information relating to any such subject matter, applications, patents, and/or technology; in, to, and under the right to sue for present, past, and future infringement or misappropriation relating to any such subject matter, applications, patents, and/or technology; in, to, and under the right to enforce any rights and file any causes of action, in law and/or equity, relating to any such subject matter, applications, patents, and/or technology; and in, to, and under the right to all income, royalties, fees, damages, and payments now or hereafter due or payable in respect to any such subject matter, applications, patents, and/or technology. The right, title, and interest is and shall be held and enjoyed by ASSIGNEE and its successors and assigns as fully and exclusively as it would have been held and enjoyed by ASSIGNOR had this assignment not been made. I request the applicable official having authority to issue patents and/or corresponding rights to issue same on the subject matter of the invention(s) to ASSIGNEE, its successors and assigns, and, if called upon by ASSIGNEE, its successors, assigns, or legal representatives, I agree to promptly sign any and all documents necessary to secure any and all such patents and/or rights and for issuance of same to ASSIGNEE or its successors and assigns.

I covenant with ASSIGNEE, its successors, assigns, and legal representatives, which the interest and property hereby conveyed is free from all prior assignment, grant, mortgage, license, or other encumbrance.

PATENT REEL: 043358 FRAME: 0144

I grant to ASSIGNEE, its successors, assigns, and legal representatives the power to insert on this Assignment any further identification, including the application numbers and filing dates, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office, and/or any other patent office in any other country throughout the world, for recordation of this document.

I confirm that I have not made any agreement in conflict with this Assignment. I further agree that I will provide information within my knowledge or belief, and do any and all other relevant things that ASSIGNEE, its successors, assigns, or legal representatives deem necessary or desirable and request of me in connection with obtaining and/or maintaining any such patents and/or rights; in connection with any proceeding, controversy, and/or litigation pertaining to any such patents and/or rights; in order to perfect and/or enforce the ownership by ASSIGNEE, its successors and assigns, of the right, title, and interest conveyed by this Assignment; and/or in connection with this Assignment, without payment of consideration to me beyond that called for in my written agreement with ASSIGNEE on the understanding, however, that ASSIGNEE will bear all reasonable expenses actually incurred for or in connection with such matters. This Assignment and the obligations assumed by me shall be binding on my heirs and personal representatives.

Date:	
	Ripu Daman Singh
State of)
State of) SS.)
On this day	of, 2017, before me,, personally appeared Ripu Daman Singh, who
proved to me on the basis of sa identified in the instrument above a the same in his/her authorized cap	atisfactory evidence to be the person whose name is and acknowledged to me that he/she voluntarily executed acity, and that by his/her signature on the instrument the which the person acted, executed the instrument.
	OF PERJURY under the laws of the State of paragraph is true and correct.
WITNESS my hand and office	cial seal.
	Notary Public
	My commission expires:

Date:	
	Madhav S. Durbha
State of	
County of) ss.)
	of, 2017, before me,, personally appeared Madhav S. Durbha, who
proved to me on the basis of sa identified in the instrument above ar the same in his/her authorized capa	itisfactory evidence to be the person whose name is and acknowledged to me that he/she voluntarily executed acity, and that by his/her signature on the instrument the which the person acted, executed the instrument.
•	OF PERJURY under the laws of the State of paragraph is true and correct.
WITNESS my hand and offic	cial seal.
	Notary Public My commission expires:

Date: 4/13/2017	John Sarvari
State of Maryland) County of Montgoermy)	SS.
On this 13 day John Sarvari	of April, 2017, before me, , personally appeared John Sarvari, who proved
instrument above and acknowledged	dence to be the person whose name is identified in the d to me that he/she voluntarily executed the same in by his/her signature on the instrument the person, or
	OF PERJURY under the laws of the State of aragraph is true and correct.
WITNESS my hand and officia	al seal.
	Notary Public My commission expires: 10/27/2017

Date:	24	APPIL	2017

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Ana	and Me	depalli

1st Witness Signature

MUKUNDAN DEVARAJAN

1st Witness Printed Name

2nd Witness Signature

GAYATHRI SAMPATH

2nd Witness Printed Name