

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT7855263

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
DEVANAND R	06/24/2019
NARAYAN NANDEDA	06/24/2019
TUSHAR SHEKHAR	06/24/2019
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	JDA SOFTWARE GROUP, INC.
<b>Street Address:</b>	15059 N SCOTTSDALE RD, STE 400
<b>City:</b>	SCOTTSDALE
<b>State/Country:</b>	ARIZONA
<b>Postal Code:</b>	85254
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	18120663
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(602)333-5431
<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>	602-333-5440
<b>Email:</b>	slaureanti@spencerfane.com
<b>Correspondent Name:</b>	STEVEN J. LAUREANTI
<b>Address Line 1:</b>	2415 E. CAMELBACK ROAD, SUITE 600
<b>Address Line 4:</b>	PHOENIX, ARIZONA 85016
<b>ATTORNEY DOCKET NUMBER:</b>	5029021-0793
<b>NAME OF SUBMITTER:</b>	STEVEN J. LAUREANTI
<b>SIGNATURE:</b>	/Steven J. Laureanti/
<b>DATE SIGNED:</b>	03/20/2023
<b>Total Attachments: 4</b>	
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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, Devanand R, an individual residing in Flat 231, Wing 6, Innovative Oak Garden, Panathur, 560103, Bangalore, I, Narayan Nandeda, an individual residing in 15/20, Anand Villa, Station Road Unhel, District, Ujjain, Madhya Pradesh, 456221, India, and I, Tushar Shekhar, an individual residing in 22D Habitat Crest, Opposite Zuri Hotel, ITPL Main Road, Hoodi, Whitefield, Bengaluru 560048, India, (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 15050 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:

**IMAGE BASED ANALYTICS OF SUPPLY CHAIN OPTIMIZATION PROBLEM**


filed in the U.S. Patent and Trademark Office on June 3, 2019, and assigned Application No. 62/855,353; 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, continuation, continuation-in-part, continued prosecution, request-for-continued-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.

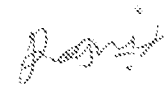
I covenant with ASSIGNEE, its successors, assigns, and legal representatives, which the interest and property hereby conveyed is free from all prior assignment, grant, mortgage, license, or other encumbrance.

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.

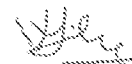
I confirm that I have not made any agreement in conflict with this Assignment. I further agree that I will provide information within my knowledge or belief, and do any and all other relevant things that ASSIGNEE, its successors, assigns, or legal representatives deem necessary or desirable and request 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: 24 - June - 2019

  
.....  
Devanand R

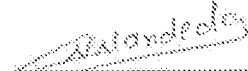
  
.....  
1<sup>st</sup> Witness Signature


RASHID PUTHIYAPURAYIL  
.....  
1<sup>st</sup> Witness Printed Name

  
.....  
2<sup>nd</sup> Witness Signature

VISHAL SHINDE  
.....  
2<sup>nd</sup> Witness Printed Name

Date: 24 - June - 2015

  
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Narayan Nandeda

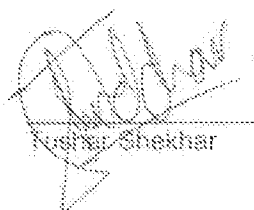
  
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1<sup>st</sup> Witness Signature

RASHID PUTHIYAPURAYIL  
\_\_\_\_\_  
1<sup>st</sup> Witness Printed Name

  
\_\_\_\_\_  
2<sup>nd</sup> Witness Signature

VISHAL SHINDE  
\_\_\_\_\_  
2<sup>nd</sup> Witness Printed Name

Date: 24-June-2019

  
Shekhar

  
1st Witness Signature

PASHA D PUTHIYAPURAYIL  
1st Witness Printed Name

  
2nd Witness Signature

VISHAL SHINDE  
2nd Witness Printed Name