

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5522413

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
NITIN GOYAL	08/26/2013
RUBESH MEHTA	08/26/2013
BACKIARAJ IRUDAYARAJ	08/26/2013
FREDERICK LISTER	08/26/2013
PRAVIN RANGACHARI	08/26/2013
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	JDA SOFTWARE GROUP, INC.
<b>Street Address:</b>	14400 NORTH 87TH STREET
<b>City:</b>	SCOTTSDALE
<b>State/Country:</b>	ARIZONA
<b>Postal Code:</b>	85260
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16410221
<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>	5029021-0503
<b>NAME OF SUBMITTER:</b>	STEVEN J. LAUREANTI
<b>SIGNATURE:</b>	/Steven J. Laureanti/
<b>DATE SIGNED:</b>	05/14/2019
<b>Total Attachments: 6</b>	
source=13-08-26 5038 Executed Assignment#page1.tif	

source=13-08-26 5038 Executed Assignment#page2.tif  
source=13-08-26 5038 Executed Assignment#page3.tif  
source=13-08-26 5038 Executed Assignment#page4.tif  
source=13-08-26 5038 Executed Assignment#page5.tif  
source=13-08-26 5038 Executed Assignment#page6.tif

## PATENT APPLICATION ASSIGNMENT

WHEREAS I, **Nitin Goyal**, having a correspondence address of 9800 Hickory Hollow Lane, Irving, TX 75063, **Rubesh Mehta**, having a correspondence address of 9201 Fox Hollow Trail, Irving, TX 75063, **Backiaraj Irudayaraj**, having a correspondence address of 6608 Adobe Circle, The Colony, TX 78056, **Frederick Lister**, having a correspondence address of 5205 Shiver Road, Keller, TX 76244; and **Pravin Rangachari**, having a correspondence address of 8818 Lakewood Drive, Irving, TX 75063; have invented a new and useful

### **System and Method for Real-Time Multi-Facet Interactive Planning**

for which application is being made for Letters Patent, said application being identified as Application No. 13/972,560 (Attorney Docket No. **1180.5038**).

WHEREAS, **JDA Software Group, Inc.**, a corporation of the State of Delaware, having a correspondence address at 14400 North 87th Street, Scottsdale, Arizona 85260, is desirous of acquiring our entire right, title, and interest in said invention, applications, and any Letters Patent which may issue thereon.

NOW THEREFORE, be it known by all whom it may concern that for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I hereby assign to said corporation for the territory of the United States of America and the entire world our entire right, title, and interest in and to said invention, any patent applications filed therefor, and any patents that may issue thereon, including any provisional, design, utility, divisional, continuation, continuation-in-part, reissue, reexamination, and international applications, and any patents that may issue thereon, and including all priority rights for patent applications foreign to the United States of America.

I HEREBY covenant and agree that I will at any time, upon the request and at the expense of said corporation, execute and deliver any and all papers and do all lawful acts that may be necessary or desirable to perfect the title to said invention, applications and patents, and I authorize the Commissioner of Patents and Trademarks to issue Letters Patent to said corporation.

IN TESTIMONY WHEREOF, I execute this Patent Application Assignment on the dates set forth below.

Date: Aug 26, 2013

Nitin Goyal  
Nitin Goyal

STATE OF Texas

§  
§  
§

On this 26 day of AUGUST, 2013, before me, a Notary Public in and for the State aforesaid, personally appeared Nitin Goyal, known to me to be the person named above who signed and sealed the foregoing instrument, and acknowledged the same to be his own free act and deed.




Jennifer Tom

Notary Public, State of Texas

IN TESTIMONY WHEREOF, I execute this Patent Application Assignment on the dates set forth below.

Date: 08/26/2013

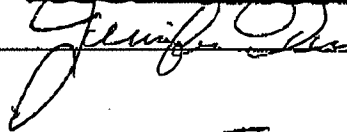


Rubesh Mehta

STATE OF TEXAS

§  
§  
§

On this 26<sup>th</sup> day of August, 2013, before me, a Notary Public in and for the State aforesaid, personally appeared **Rubesh Mehta**, known to me to be the person named above who signed and sealed the foregoing instrument, and acknowledged the same to be his own free act and deed.



Notary Public, State of Texas

IN TESTIMONY WHEREOF, I execute this Patent Application Assignment on the dates set forth below.

Date: 8/26/2013

*[Signature]*  
Backiaraj Irudayaraj

STATE OF Texas

§  
§  
§

On this 26<sup>th</sup> day of August, 2013, before me, a Notary Public in and for the State aforesaid, personally appeared **Backiaraj Irudayaraj**, known to me to be the person named above who signed and sealed the foregoing instrument, and acknowledged the same to be his own free act and deed.



*[Signature]*  
Notary Public, State of Texas

IN TESTIMONY WHEREOF, I execute this Patent Application Assignment on the dates set forth below.

Date: 26-AUG-2013



Frederick Lister

STATE OF TEXAS

§  
§  
§

On this 26<sup>th</sup> day of August, 2013, before me, a Notary Public in and for the State aforesaid, personally appeared **Frederick Lister**, known to me to be the person named above who signed and sealed the foregoing instrument, and acknowledged the same to be his own free act and deed.



Notary Public, State of Texas

IN TESTIMONY WHEREOF, I execute this Patent Application Assignment on the dates set forth below.

Date: 08/26/13

Pravin Rangachari  
Pravin Rangachari

STATE OF TEXAS

§  
§  
§

On this 26 day of AUGUST, 2013, before me, a Notary Public in and for the State aforesaid, personally appeared **Pravin Rangachari**, known to me to be the person named above who signed and sealed the foregoing instrument, and acknowledged the same to be his own free act and deed.



Jennifer Tom

Notary Public, State of Texas