

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT																
NATURE OF CONVEYANCE:	ASSIGNMENT																
<b>CONVEYING PARTY DATA</b>																	
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Steven LaVoie</td> <td>02/07/2012</td> </tr> <tr> <td>Shrinivas Sale</td> <td>02/09/2012</td> </tr> <tr> <td>Michael Robb Swihart</td> <td>02/06/2012</td> </tr> <tr> <td>Varunaj Valsaraj</td> <td>02/06/2012</td> </tr> <tr> <td>Boyett Judson Hennington IV</td> <td>02/07/2012</td> </tr> <tr> <td>Anthony DeFrances</td> <td>02/06/2012</td> </tr> <tr> <td>John William Michalski</td> <td>02/02/2012</td> </tr> </tbody> </table>		Name	Execution Date	Steven LaVoie	02/07/2012	Shrinivas Sale	02/09/2012	Michael Robb Swihart	02/06/2012	Varunaj Valsaraj	02/06/2012	Boyett Judson Hennington IV	02/07/2012	Anthony DeFrances	02/06/2012	John William Michalski	02/02/2012
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<table border="1"> <tr> <td>Name:</td> <td>ArrowStream, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>231 South LaSalle Street</td> </tr> <tr> <td>Internal Address:</td> <td>Suite 1700</td> </tr> <tr> <td>City:</td> <td>Chicago</td> </tr> <tr> <td>State/Country:</td> <td>ILLINOIS</td> </tr> <tr> <td>Postal Code:</td> <td>60661</td> </tr> </table>		Name:	ArrowStream, Inc.	Street Address:	231 South LaSalle Street	Internal Address:	Suite 1700	City:	Chicago	State/Country:	ILLINOIS	Postal Code:	60661				
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<b>CORRESPONDENCE DATA</b>																	
Fax Number:	(312)775-8100																
Phone:	312-775-8000																
Email:	mhmlaw@mcandrews-ip.com																
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>																	
Correspondent Name:	McAndrews, Held & Malloy, Ltd.																
Address Line 1:	500 West Madison Street																
Address Line 2:	34th Fl																
Address Line 4:	Chicago, ILLINOIS 60661																

CH \$40.00 13357393

PATENT

ATTORNEY DOCKET NUMBER:	24908US01
NAME OF SUBMITTER:	Joseph M. Barich
Total Attachments: 8 source=24908US01_Assignment#page1.tif source=24908US01_Assignment#page2.tif source=24908US01_Assignment#page3.tif source=24908US01_Assignment#page4.tif source=24908US01_Assignment#page5.tif source=24908US01_Assignment#page6.tif source=24908US01_Assignment#page7.tif source=24908US01_Assignment#page8.tif	

## ASSIGNMENT

File No.: 24908US01

Serial No.: 13/357,393

Inventors: Steven LaVoie  
Shrinivas Sale  
Michael Robb Swihart  
Varunraj Valsaraj  
Boyett Judson Hennington IV  
Anthony DeFrances  
John William Michalski

Filing Date: 01/24/2012

In consideration of One Dollar (\$1.00) and other good and valuable considerations in hand paid, the receipt and sufficiency whereof are hereby acknowledged, each of the undersigned hereby assigns to Arrowstream, Inc., incorporated under the laws of the state of Delaware, its successors and assigns, the entire right, title and interest in the invention or improvements of the undersigned disclosed in an application for Letters Patent of the United States, entitled: "SYSTEM AND METHOD FOR SIMULTANEOUS OPTIMIZATION OF LOGISTICS AND PURCHASING" and identified as File No. 24908US01, in the offices of McANDREWS, HELD & MALLOY, LTD., and in said application and any and all other applications, both United States and foreign, which the undersigned may file, either solely or jointly with others, on said invention or improvements, and in any and all Letters Patent of the United States and foreign countries, which may be obtained on any of said applications, and in any continuation, continuation-in-part, divisional, re-examination, reissue or extension of such patents, and further assigns to said assignee the priority right provided by the International Convention.

Each of the undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent to said assignee.

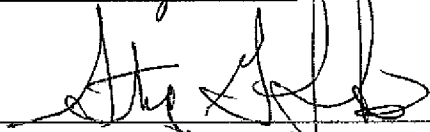
Each of the undersigned hereby authorizes and requests the attorneys of record in said application to insert in this assignment the filing date and serial number of said application when officially known.

Each of the undersigned warrants himself/herself to be the owner of the entire right, title and interest in said invention or improvements and to have the right to make this assignment, and further warrants that there are no outstanding prior assignments, licenses, or other encumbrances on the interest herein assigned.

For said considerations, each of the undersigned hereby agrees, upon the request and at the expense of said assignee, its successors and assigns, to execute any and all continuation, continuation-in-part, divisional, re-examination, extension, and substitute applications for said invention or improvements, and any necessary oath, affidavit or declaration relating thereto, and

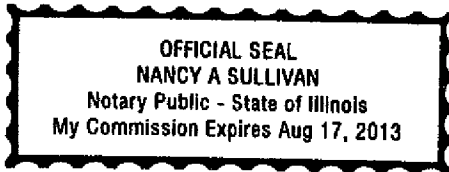
any application for the reissue, re-examination, or extension of any Letters Patent that may be granted upon said application, and any and all applications and other document for Letters Patent in foreign countries on said invention or improvements, that said assignee, its successors or assigns may deem necessary or expedient, and for the said considerations each of the undersigned authorizes said assignee to apply for patents for said invention or improvements in its own name in such countries where such procedure is proper and further agrees, upon the request of said assignee, its successors and assigns, to cooperate to the best of the ability of the undersigned with said assignee, its successors and assigns, in any proceedings or transactions involving such applications or patents, including the preparation and execution of preliminary statements, giving and producing evidence and performing any and all other acts necessary to obtain said Letters Patent, both United States and foreign, and vest all rights therein hereby conveyed in the assignee, its successors and assigns, whereby said Letters Patent will be held and enjoyed by the said assignee, its successors and assigns, to the full end of the term for which said Letters Patent will be granted, as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment had not been made.

WITNESS my hand this 7<sup>th</sup> day of February, 2012.

  
\_\_\_\_\_  
Steven LaVoie

Subscribed and sworn to before me this 7<sup>th</sup> day of February, 2012

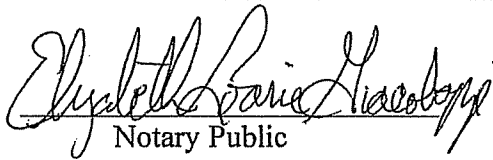
  
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Notary Public

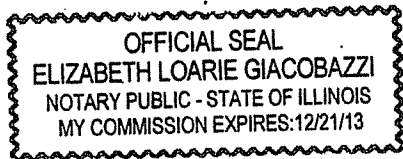


WITNESS my hand this 9<sup>th</sup> day of February, 2012.

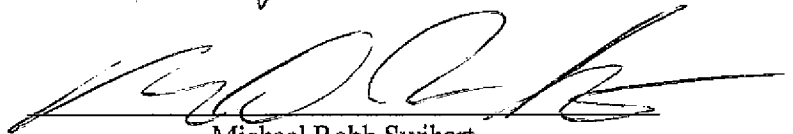
  
\_\_\_\_\_  
Shrinivas Sale

Subscribed and sworn to before me this 9<sup>th</sup> day of February, 2012

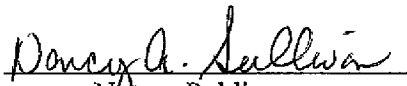
  
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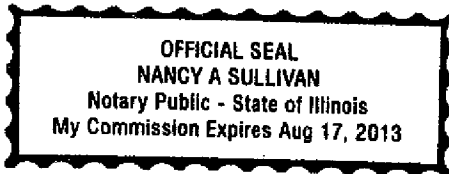


WITNESS my hand this 6<sup>th</sup> day of February, 2012.

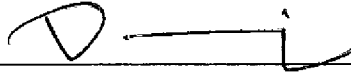
  
Michael Robb Swihart

Subscribed and sworn to before me this 6<sup>th</sup> day of February, 2012

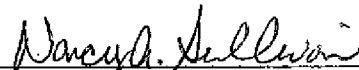
  
Notary Public

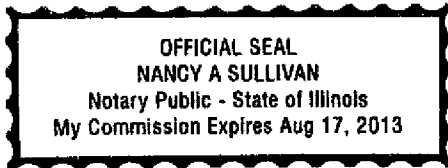


WITNESS my hand this 6<sup>th</sup> day of February, 2012.

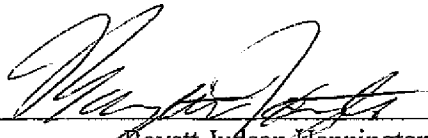
  
\_\_\_\_\_  
Varunaj Valsaraj

Subscribed and sworn to before me this 6<sup>th</sup> day of February, 2012

  
\_\_\_\_\_  
Notary Public

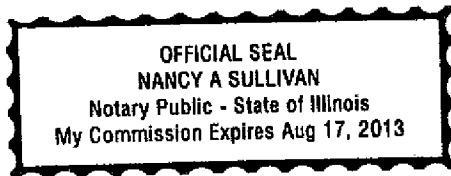


WITNESS my hand this 7<sup>th</sup> day of February, 2012.

  
\_\_\_\_\_  
Boyett Judson Hennington, IV

Subscribed and sworn to before me this 7<sup>th</sup> day of February, 2012

  
\_\_\_\_\_  
Notary Public



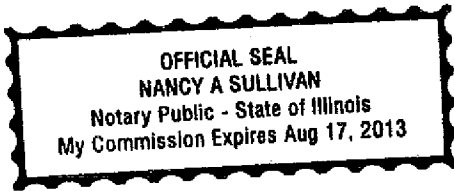


WITNESS my hand this 6<sup>th</sup> day of FEBRUARY, 2012.

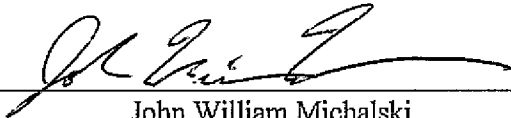
Anthony DeFrances  
Anthony DeFrances

Subscribed and sworn to before me this 6<sup>th</sup> day of FEBRUARY, 2012

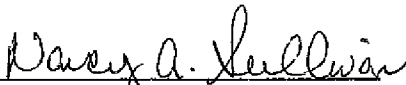
Nancy A. Sullivan  
Notary Public



WITNESS my hand this 2<sup>nd</sup> day of February, 2012.

  
\_\_\_\_\_  
John William Michalski

Subscribed and sworn to before me this 2<sup>nd</sup> day of FEBRUARY, 2012

  
\_\_\_\_\_  
Notary Public

