

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3408286

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Billy W. Ward	02/28/2007
JOHN A. NOTTE IV	02/28/2007
Louis S. Farkas	03/07/2007
Randall G. Percival	02/28/2007
Raymond Hill	02/28/2007
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ALIS Corporation
<b>Street Address:</b>	One Corporation Way
<b>City:</b>	Peabody
<b>State/Country:</b>	MASSACHUSETTS
<b>Postal Code:</b>	01960
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14684607
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(877)769-7945
<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>	(617) 542-5070
<b>Email:</b>	apsi@fr.com
<b>Correspondent Name:</b>	SEAN P. DALEY
<b>Address Line 1:</b>	FISH & RICHARDSON P.C.
<b>Address Line 2:</b>	P.O.BOX 1022
<b>Address Line 4:</b>	MINNEAPOLIS, MINNESOTA 55440-1022
<b>ATTORNEY DOCKET NUMBER:</b>	21384-0029005
<b>NAME OF SUBMITTER:</b>	ALISSA TIZZANO
<b>SIGNATURE:</b>	/Alissa/
<b>DATE SIGNED:</b>	06/23/2015
<b>Total Attachments: 6</b>	

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### ASSIGNMENT

For valuable consideration, we, Billy W. Ward, of 36 Little Pond Road, Merrimac, MA 01860; John A. Notte IV, of 18 Lawndale Circle, Gloucester, MA 01930; Louis S. Farkas III, of 4 Riverview Road, Durham, NH 03824; Randall G. Percival, of 5 Randy Lane, Raymond, NH 03077; and Raymond Hill, of 21 Wilson Pond Lane, Rowley, MA 01969; hereby assign to ALIS CORPORATION, a corporation of Delaware, having a place of business at 10 Technology Drive, Peabody, MA 01960, and its successors and assigns (collectively hereinafter called "the Assignee"), our entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent by us, Klaus Edinger, Lars Markwort, Dirk Aderhold, and Ulrich Mantz, entitled ION SOURCES, SYSTEMS AND METHODS, filed November 15, 2006, and assigned U.S. Serial Number 11/600,361, this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.


DATE: 2-28-07

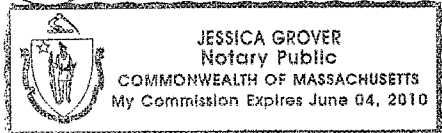
  
BILLY W. WARD

COMMONWEALTH OF MASSACHUSETTS )  
COUNTY OF Essex ) SS.

On February 28, 2007, before me, the undersigned, a notary public for the Commonwealth of Massachusetts, there personally appeared BILLY W. WARD personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his authorized capacity and that by his signature on this Assignment, the person or the entity upon behalf of which he acted, executed this Assignment.

WITNESS my hand and official seal.

  
Notary Public



DATE: 28 Feb, 2007

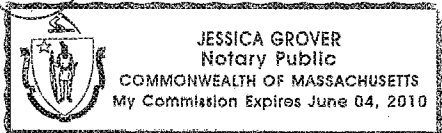
John A. Notte  
JOHN A. NOTTE IV

COMMONWEALTH OF MASSACHUSETTS )  
COUNTY OF Essex ) SS.

On February 28, 2007, before me, the undersigned, a notary public for the Commonwealth of Massachusetts, there personally appeared JOHN A. NOTTE IV personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his authorized capacity and that by his signature on this Assignment, the person or the entity upon behalf of which he acted, executed this Assignment.

WITNESS my hand and official seal.

Jessica Grover  
Notary Public



JESSICA GROVER  
Notary Public  
COMMONWEALTH OF MASSACHUSETTS  
My Commission Expires June 04, 2010

DATE: MARCH 7, 2007

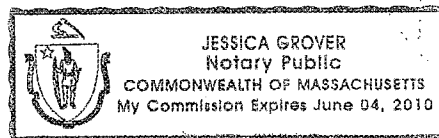
Louis S. Farkas III  
LOUIS S. FARKAS III

COMMONWEALTH OF MASSACHUSETTS )  
COUNTY OF Essex ) SS.

On March 7, 2007, before me, the undersigned, a notary public for the Commonwealth of Massachusetts, there personally appeared LOUIS S. FARKAS III personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his authorized capacity and that by his signature on this Assignment, the person or the entity upon behalf of which he acted, executed this Assignment.

WITNESS my hand and official seal.

Jessica Grover  
Notary Public



DATE: 28 FEB 07

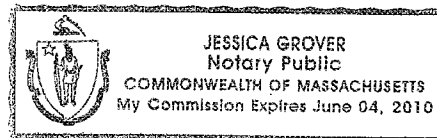
  
\_\_\_\_\_  
RANDALL G. PERCIVAL

COMMONWEALTH OF MASSACHUSETTS )  
 ) SS.  
COUNTY OF ESSEX )

On 28 February 2007, before me, the undersigned, a notary public for the Commonwealth of Massachusetts, there personally appeared RANDALL G. PERCIVAL personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his authorized capacity and that by his signature on this Assignment, the person or the entity upon behalf of which he acted, executed this Assignment.

WITNESS my hand and official seal.

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



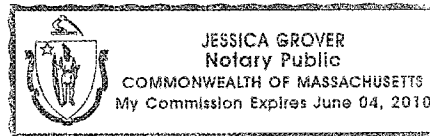
DATE: 2/28/07 Rayl Hill  
RAYMOND HILL

COMMONWEALTH OF MASSACHUSETTS )  
 ) SS.  
COUNTY OF ESSEX )

On February 28, 2007, before me, the undersigned, a notary public for the Commonwealth of Massachusetts, there personally appeared RAYMOND HILL personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his authorized capacity and that by his signature on this Assignment, the person or the entity upon behalf of which he acted, executed this Assignment.

WITNESS my hand and official seal.

Jessica Grover  
Notary Public



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