PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Michael P. Chrisp	03/31/2011
Joel M. Bowers	04/13/2011

RECEIVING PARTY DATA

Name:	Lawrence Livermore National Security, LLC	
Street Address:	2300 First Street, Suite 204	
City:	Livermore	
State/Country:	CALIFORNIA	
Postal Code:	94550	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13086233

CORRESPONDENCE DATA

Fax Number: (925)423-2231

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Email: yu25@llnl.gov

Correspondent Name: Mark H. Lough

Address Line 1: 7000 East Avenue

Address Line 4: Livermore, CALIFORNIA 94551

NAME OF SUBMITTER: Eddie E. Scott

Total Attachments: 5

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PATENT

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RECORDATION FORM COVER SHEET PATENTS ONLY				
To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.				
Name of conveying party(ies)	2. Name and address of receiving party(ies)			
	Name: Lawrence Livermore National Security, LLC (LLNS)			
1. Michael P. Chrisp 2. Joel M. Bowers	Internal Address:			
	memar/adress.			
Additional name(s) of conveying party(ies) attached? 🔲 Yes 🔀 No				
3. Nature of conveyance/Execution Date(s):	Street Address: 2300 First Street, Suite 204			
Execution Date(s) 4-13-2011				
Assignment Merger	City: Livermore			
Security Agreement Change of Name				
Joint Research Agreement	State: CA			
Government Interest Assignment	Country: USA Zip: 94550			
Executive Order 9424, Confirmatory License				
Other 4. Application or patent number(s):	Additional name(s) & address(es) attached? Yes X No			
A. Patent Application No.(s) Application No. 13/086,233 Filed: 4-18-2011 Additional numbers att	document is being filed together with a new application. B. Patent No.(s) B. Patent No.(s) Compared to the property of the			
5. Name and address to whom correspondence				
concerning document should be mailed:	6. Total number of applications and patents involved: 1 (one)			
Name: Mark H. Lough/LLNS	7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00			
Internal Address: P.O. Box 808, L-703	, , ,			
	X Authorized to be charged to deposit account			
Street Address: 7000 East Avenue	Enclosed			
	None required (government interest not affecting title)			
City: Livermore	8. Payment Information			
State: CA Zip: 94551				
Phone Number: 925/422-7272				
Fax Number: <u>925/423-2231</u>	Deposit Account Number 12-0695			
Email Address: N/A	Authorized User Name April Masluk			
9. Signature: April Marleh 6-2-2011				
Signatufe	Date			
April Masluk Name of Person Signing	Total number of pages including cover sheet, attachments, and documents:			
Name of Person Signing				

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

ASSIGNMENT

LLNL Case 1	lo.: <u>IL-11440</u>					
For good and	valuable consideration the	receipt of which is	s hereby acknow	vledged ASSIG1	NOR(s)	
1. Michael	P. Chrisp	2.	Joel M. Bow	ers		
3//		4.				
having its add	assigns and transfers to A ninistrative offices located resentative of the ASSIO and in all foreign countries in	l at 2300 First Stre 3NEE all of its r	eet, Suite 204, I right, title and	Livermore, CA the interest for the	94550 and the succ United States and	essors, assigns
ECHELLE	GRATING MULTI-	ORDER IMAC	GING SPEC	<u> TROMETER</u>	UTILIZING A	<u>. </u>
	PTRIC LENS					
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U.S. pa	tent application executed on the above named person	on $\frac{4-1}{4}$ is as inventors	.3-2011 , enti	tled as above an	d	
U.S. pa	tent application serial no.	13/086,233	, filed on	4-18-2011	**************************************	
□ U.S.p	itent no.	, issued		•		
be obtained f substitute the	equivalent thereof in a for- or said invention by the a eof, and any reissue, reex or the Protection of Industr	above application a amination or exter	or any continua	tion, division,	continuation-in-part	t, extension or
ASSIGNOR(S into which wo) hereby covenants that nould conflict with this assig	o assignment, sale, nment;	, agreement or e	ncumbrance ha	s been or will be m	ade or entered
documents rel ASSIGNOR a execute and d for, obtain, m which may be	further covenants that A ating to said invention as and will testify as to the saliver to ASSIGNEE or its sintain, issue or enforce so necessary or desirable to cof this assignment to insert.	nd said Letters Pa me in any interferd legal representativ aid application, sai arry out the purpos	atent and legal rence, litigation, ve any and all pid invention and ses thereof. An	equivalents as a or proceeding a apers, instrumed a said Letters Pattorney of reco	may be known and relating thereto and onts or affidavits required and said equivord is authorized and	l accessible to will promptly juired to apply valents thereof d requested by
AND the <u>ASS</u> States and any	IGNOR(S) requests the Creissue or extension thereo	ommissioner of Pa of to the ASSIGNE	atents and Trad E, Lawrence Li	emarks to issue vermore Nation	said Letters Patent al Security, LLC.	of the United
executed this		;	Signature of Inv	rentor(s)		
3/3/Dat	31/2011	-	Michael P. Cl	Aue A	P. Chris	<u>Y</u>

executed this	Signature of Inventor(s)	
•		
Date	Joel M. Bowers	
•	-End of Document- IL-11440	

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ASSIGNMENT

LLNL Case No.: IL-11440	
For good and valuable consideration the receipt of w	hich is hereby acknowledged ASSIGNOR(s)
1. Michael P. Chrisp	2. Joel M. Bowers
3. //	4. //
and legal representative of the ASSIGNEE all of possessions and in all foreign countries in and to, any	Lawrence Livermore National Security, LLC, a Delaware Corporation, set Street, Suite 204, Livermore, CA 94550 and the successors, assigns its right, title and interest for the United States and its territorial vandall improvements which are disclosed in the invention entitled: MAGING SPECTROMETER UTILIZING A
U.S. patent application executed on listing the above named persons as inventor	$\frac{-13-2011}{\text{rs}}$, entitled as above and
U.S. patent application serial no. 13/086,	233 , filed on 4-18-2011
U. S. patent no. , issued	
or optuned for said invention by the above applica	including the right to claim priority and, in and to, all Letters Patent to ation or any continuation, division, continuation-in-part, extension or extension of said Letters Patent and all rights under all International
ASSIGNOR(S) hereby covenants that no assignment, into which would conflict with this assignment;	, sale, agreement or encumbrance has been or will be made or entered
ASSIGNOR and will testify as to the same in any imexecute and deliver to ASSIGNEE or its legal representation, obtain, maintain, issue or enforce said application which may be necessary or desirable to carry out the results.	ill, upon its request, be provided promptly with all pertinent facts and are Patent and legal equivalents as may be known and accessible to terference, litigation, or proceeding relating thereto and will promptly entative any and all papers, instruments or affidavits required to apply on, said invention and said Letters Patent and said equivalents thereof purposes thereof. An attorney of record is authorized and requested by ssignment the filing date and serial number of said application when
AND the <u>ASSIGNOR(S)</u> requests the Commissioner States and any reissue or extension thereof to the ASSI	of Patents and Trademarks to issue said Letters Patent of the United IGNEE, Lawrence Livermore National Security, LLC.
executed this	Signature of Inventor(s)
Date	Michael P. Chrisp

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executed this

Signature of Inventor(s)

4(13/2011 Date

Joel M. Bowers

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