## 502622031 01/06/2014

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2668640

ATURE OF CONVEYANCE:	ASSIGNMENT						
	ASSIGNMENT	ASSIGNMENT					
DNVEYING PARTY DATA	,						
	Name		Execution Date				
OBERT A. GROTHE JR.			02/19/2013				
CEIVING PARTY DATA							
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ity: San Jose							
tate/Country: CALIFORNIA							
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gnature:	/Carina Frazer/	/Carina Frazer/					
te:	01/06/2014						

PATENT REEL: 031896 FRAME: 0610

## ASSIGNMENT

WHEREAS I, Robert A. GROTHE, Jr. of 1624 Miramonte Ave., Mountain View, CA 94040, have invented certain new and useful improvements, entitled Exponential Scan Mode for Quadrupole Mass Spectrometers to Generate Super-Resolved Mass Spectra for which invention I have executed an application for Letters Patent in the United States that was filed on Nov. 30, 2012 with the U.S. Patent and Trademark Office as Serial No. 61/732,110 which discloses and identifies the invention.

Whereas, THERMO FINNIGAN LLC, a limited liability company formed in the State of Delaware, having a place of business at 355 River Oaks Parkway, San Jose, California 95134, (hereinafter referred to as assignee) is desirous of acquiring the entire right, title, and interest in and to said invention, said application and the Letters Patent to be obtained therefor;

Now, therefore, for good and valuable consideration, the receipt and sufficiency whereof are hereby acknowledged, I hereby sell, assign, and set over unto the assignee and said assignee's successors, assigns, and designees, the entire right, title, and interest in and to said invention, said application, and the Letters Patent, both foreign and domestic, that may or shall issue thereon; and I do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to the abovementioned assignee.

I hereby authorize the above-mentioned assignee or its legal representative to insert in this instrument the filing date and serial number of our said application or any other information that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Upon said consideration, I convey to said assignee the right to make application in its own behalf for protection of said invention in countries foreign to the United States and where expedient to claim under the International Convention or other international arrangement for any such application the date of said United States application (or other application if any there be) in priority to other applications; and I do hereby covenant and agree with the said assignee that I will not execute any writing or do any act whatsoever conflicting with these presents, and that I will at any time upon request, at the expense of the said assignee, execute such additional assignments and other writings and do such additional acts as said assignee may deem necessary or desirable to perfect the assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, renewal, continuation, continuation-in-part, reissued or extended Letters Patent of the United States or of any and all foreign countries on said invention, and in enforcing any rights or chose in action accruing as a result of such application or patents, by giving testimony in any proceedings or transactions involving such application or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of the assigns and legal representatives of both parties. I hereby agree that the transfer of rights made by this instrument is effective as of the filing date of the application written above.

IN WITNESS WHEREOF, I bereto	set my hand and seal	on this 4	£h.	****	day of
February	, 2013.				
Policet A. De		JP le	************		
	MOOGLE AT CHACKE	ship os	41	•	
State of <u>CALIFORNIA</u> :			• •		
*					
County of SANTA CLARA:					
None A No.					
On 166, 19, 2013	before	me, <u>Carina</u>	Frazer,	NOTARY	PUBLIC,
personally appeared Robert A. G	<u>ROTHE, Jr.</u> who prove	d to me on th	ie basis o	f satisfactor	y evidence
to be the person whose name is s	ubscribed to the within	instrument a	md ackno	owledged to	me that he
executed the same in his authoric	zed capacity, and that b	y his signatu	re on the	instrument t	he person,
or the entity upon behalf of whi	ch the person acted, ex	ecuted the in	strumer	it.	
I certify under PENALTY OF I	PERJURY under the la	ws of the St	ate of <u>C</u>	ALIFORNI	A that the
foregoing paragraph is true and					
•					
WITNESS my hand and officia	l seal.				
Signature: Signature:	Mat perior				
* * * * * * * * * * * * * * * * * * * *	ac. 18,20%			(Sea	d)

