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PATENT ASSIGNMENT COVER SHEET

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NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT	
CONVEYING PARTY D	ΑΤΑ			
		Name	Execution Date	
JOHN KITCHING			03/19/2019	
RECEIVING PARTY D				
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		16357650		
Property Type		Number		
Application Number:		16357650]	
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SIGNATURE: DATE SIGNED:		03/29/2019		
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SIGNATURE: DATE SIGNED:	·- ·	03/29/2019 gnment#page1.tif		

NIST Docket number: 18-054US1

ASSIGNMENT OF PATENT RIGHTS

I, JOHN KITCHING, residing in BOULDER, CO invented "ALKALI METAL VAPOR CELL APPARATUS AND PROCESS FOR MAKING ALKALI METAL VAPOR CELLS" for which has been filed an application for United States Letters Patent, Serial Number 16/357,650 on March 19, 2019.

The invention was made while I was an employee of the United States Department of Commerce and under such circumstances that applicable laws and regulations render the patent rights assignable to the United States. The United States of America, represented by the Secretary of Commerce, wishes to acquire these rights.

Therefore, I assign to the Government of the United States of America as represented by the Secretary of Commerce, my full and exclusive world-wide rights to this invention. As consideration for this Assignment, I will be treated as an inventor whose rights are assigned to the Government of the United States, for royalty sharing purposes, if royalties are ever collected, as explained in Section 3710(c) of Title 15 of the United States Code. This invention and its derivative applications in the United States Patent and Trademark Office and United States Letters Patent are to be held by the United States of America for the full term for which such Letters Patent may be granted as completely as they would have been held by me had I not made this assignment.

PATENT REEL: 048742 FRAME: 0589

I agree to make, execute, and deliver to the Secretary of Commerce all documents in such usual or other forms, terms, or contents as may be required by the Secretary for the prosecution of all applications arising from this invention, as well as after issuance of Letters Patent, and for the settlement of any derivation proceeding, post-grant review, or other action or proceeding, these applications and Letters Patent may encounter. I will aid the United States of America in every way to protect the invention as requested by the Secretary, except that any expenses arising through such assistance will be borne, through proper arrangement, by the United States of America.

I warrant that there are no outstanding assignments, grants, liens, encumbrances, or agreements, oral, written, or implied, that will impair the interests conveyed in this assignment at the time I execute this instrument.

IN TESTIMONY WHEREOF, I sign

RECORDED: 03/29/2019