

**PATENT ASSIGNMENT**

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Alexei Saveliev	01/18/2011
Vilas Vyankatrao Jangale	01/18/2011
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	NORTH CAROLINA STATE UNIVERSITY
<b>Street Address:</b>	1021 Main Campus Drive
<b>City:</b>	Raleigh
<b>State/Country:</b>	NORTH CAROLINA
<b>Postal Code:</b>	27606
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	13015624
<b>CORRESPONDENCE DATA</b>	
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<b>Total Attachments: 2</b> source=Assignment_2#page1.tif source=Assignment_2#page2.tif	

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## ASSIGNMENT

WHEREAS, We the following inventors

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2. Name: Vilas Vyankatrao JANGALE  
Residence: Raleigh, North Carolina  
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Raleigh, North Carolina 27606  
Citizenship: India

hereinafter referred to as ASSIGNORS, have invented certain new and useful improvements in an invention entitled:

### METHOD OF ABSORBANCE CORRECTION IN A SPECTROSCOPIC HEATING VALUE SENSOR

which is described and claimed in an application for Letters Patent of the United States executed by ASSIGNORS on even date herewith, and naming as inventors Alexei SAVELIEV, Vilas Vyankatrao JANGALE, Sergeui ZELEPOUGA and John PRATAPAS said improvements as described and claimed in said application for Letters Patent of the United States, being hereinafter referred to as said "Invention"; and

WHEREAS, NORTH CAROLINA STATE UNIVERSITY, a not-for-profit organization duly organized and existing under and by virtue of the laws of the State of North Carolina and having its principal office and place of business at 1021 Main Campus Drive, Raleigh, North Carolina 27606, hereinafter referred to as ASSIGNEE, is desirous of acquiring ASSIGNORS' entire rights, title and interest in and to said Invention, and in, to and under Letters Patent therefor in the United States and countries foreign thereto;

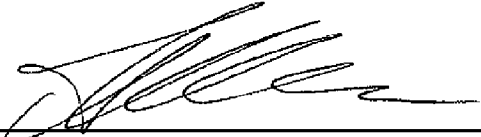
NOW THEREFORE BE IT KNOWN THAT, for and in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNORS have sold, assigned, transferred and set over and by these presents do hereby sell, assign, transfer and set over to and unto ASSIGNEE, its successors and assigns ASSIGNORS' entire rights, title and interest in and to said Invention, and in, to and under the above-identified application and all other applications for Letters Patent of the United States and countries foreign thereto, and in, to

ASSIGNMENT

and under all divisions, reissues, continuations, extensions and reexaminations thereof, and covenant that ASSIGNORS have the full right so to do; and the Commissioner of Patents is hereby authorized and requested to issue all United States Letters Patent on said Invention included herein to ASSIGNEE, as assignee of ASSIGNORS' entire interest.

ASSIGNORS further agree to communicate to ASSIGNEE or its representatives or agents all facts and information known or available to ASSIGNORS regarding said Invention including evidence for interference purposes or for other legal proceedings, whenever requested; to testify in any interference or other proceedings; to execute and deliver, on request, all lawful papers including original, divisional, continuing and reissue applications, renewals, assignments, powers of attorney, declarations, oaths, affidavits, depositions, etc.; and to generally do everything possible to aid ASSIGNEE, its successors and assigns, but at the expense of ASSIGNEE, in obtaining and enforcing proper protection for said Invention, in the United States and countries foreign thereto.

01/18/2011  
Date

  
\_\_\_\_\_  
Alexei SAVELIEV

01-18-2011  
Date

Jangale v. v.  
\_\_\_\_\_  
Vilas Vyankatrao JANGALE