

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT6011104

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MASANAO NATSUMEDA	03/08/2020
WEI CHENG	03/06/2020
HAIFENG CHEN	03/08/2020
YUNCONG CHEN	03/08/2020
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	NEC LABORATORIES AMERICA, INC.
<b>Street Address:</b>	4 INDEPENDENCE WAY
<b>City:</b>	PRINCETON
<b>State/Country:</b>	NEW JERSEY
<b>Postal Code:</b>	08540
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16816752
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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>	
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<b>ATTORNEY DOCKET NUMBER:</b>	19022
<b>NAME OF SUBMITTER:</b>	JAMES J. BITETTO
<b>SIGNATURE:</b>	/jjb/
<b>DATE SIGNED:</b>	03/12/2020
<b>Total Attachments: 1</b>	
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## ASSIGNMENT

Whereas, we,

- (1) Masanao Natsumeda, of 20 Windsor Pond Road, Princeton Junction, NJ 08550;
- (2) Wei Cheng, of 5 Arnold Drive, Princeton Junction, NJ 08550;
- (3) Haifeng Chen, of 11 Blackhawk Court, West Windsor, NJ 08550; and
- (4) Yuncong Chen, of 4912 Fox Run Drive, Plainsboro, NJ 08536.

(hereinafter called "Assignor(s)"), have made a certain invention, and executed United States Patent Application entitled:

### **FAILURE PREDICTION USING GRADIENT-BASED SENSOR IDENTIFICATION**

Whereas, NEC Laboratories America, Inc.  
4 Independence Way, Suite 200  
Princeton, New Jersey 08540

(hereinafter called "Assignee"), desires to acquire the entire right, title, and interest in the application and the invention, and to any applications, patents and/or utility model registrations filed or obtained therefor in every Country (hereinafter called the "Designated Countries").

Now therefore, for valuable consideration, receipt of which is hereby acknowledged,

I/we, the above named Assignor(s), hereby sell, assign and transfer to the above named Assignee the entire right, title and interest to file and/or obtain any applications, patents and/or utility model registrations in the Designated Countries as regards the United States application and the invention disclosed therein (including rights of priority based on the United States application), and I/we will execute without further consideration all papers deemed necessary by the Assignee in connection with such applications, patents and/or utility model registrations in the Designated Countries when called upon to do so by the Assignee.

Signed and Sealed:

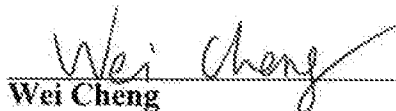
**INVENTOR 1:**

DATE on 03/08/2020

  
Masanao Natsumeda


**INVENTOR 2:**

DATE on 03/06/2020

  
Wei Cheng

**INVENTOR 3:**

DATE on 3/8/2020

  
Haifeng Chen

**INVENTOR 4:**

DATE on 3/8/2020

  
Yuncong Chen