#### 504892094 04/30/2018

EPAS ID: PAT4938837

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

**SUBMISSION TYPE: NEW ASSIGNMENT NATURE OF CONVEYANCE: ASSIGNMENT** 

#### **CONVEYING PARTY DATA**

Name	Execution Date
SUKANYA RANDHAWA	04/26/2018
NINAD SATHAYE	04/25/2018
ASHWIN SRINIVAS	04/27/2018

## **RECEIVING PARTY DATA**

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## **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15966685

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RYAN, MASON & LEWIS, LLP **Correspondent Name:** 

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Address Line 2: SUITE 204

Address Line 4: SOUTHPORT, CONNECTICUT 06890

ATTORNEY DOCKET NUMBER:	IN820161650US01	
NAME OF SUBMITTER:	SUBMITTER: MICHAEL J. COOPER	
SIGNATURE:	/Michael J. Cooper/	
DATE SIGNED:	04/30/2018	
	This document serves as an Oath/Declaration (37 CFR 1.63).	

# **Total Attachments: 4**

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**PATENT REEL: 045671 FRAME: 0180** 504892094

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PATENT REEL: 045671 FRAME: 0181

IBM DOCKET NUMBER: 1N820161650US01

# DECLARATION (37 C.F.R. 1.63) FOR UTILITY PATENT APPLICATION USING AN APPLICATION DATA SHEET (37 C.F.R. 1.76) AND ASSIGNMENT

Title of Invention:

IN-PIPELINE OPTICAL INTERFERENCE-BASED COGNITIVE SYSTEM FOR LEAK AND DEFECT DETECTION

I am aware of the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR Section 1.56.

Whereas, I have made certain inventions, improvements, and discoveries (herein referred to as the "Invention") disclosed in the above-identified patent application and further identified by the IBM Docket Number provided above in the header of this document;

Whereas, International Business Machines Corporation, a corporation of New York having a place of business at Armonk, New York (herein referred to as "IBM"), desires to acquire, and I desire to grant to IBM, my entire worldwide right, title, and interest in and to the Invention and in and to any and all patent applications and patents directed thereto;

Now, therefore, for good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, I ("ASSIGNOR") hereby sell or have sold, assign or have assigned, and otherwise transfer or have transferred to IBM (the "ASSIGNEE"), its successors, legal representatives, and assigns, my entire worldwide right, title, and interest in and to the Invention, the above-identified United States patent application, and any and all other patent applications and patents for the Invention which may be applied for or granted therefor in the United States and in all foreign countries and jurisdictions, including all divisions, continuations, reissues, reexaminations, renewals, extensions, counterparts, substitutes, and extensions thereof, and all rights of priority resulting from the filing of such applications and granting of such patents. In addition, I hereby authorize and request the Director of the United States Patent and Trademark Office to issue any United States Patent, and foreign patent authorities to issue any foreign patent, granted for the Invention, to IBM, its successors, legal representatives, and assigns, my entire worldwide right, title, and interest in and to the same to be held and enjoyed by IBM, its successors, legal representatives, and assigns to the full end of the terms for which any and all such patents may be granted. as fully and entirely as would have been held and enjoyed by me had this Assignment not been made; and l agree to execute any and all documents and instruments and perform all lawful acts reasonably related to recording this Assignment or perfecting title to the Invention and all related patents and applications, in IBM, its successors, legal representatives, and assigns, whenever requested by IBM, its successors, legal representatives, or assigns.

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I acknowledge my prior and ongoing obligations to sell, assign, and transfer my rights under this Assignment to IBM and am unaware of any reason why I may not have the full and unencumbered right to sell, assign, and transfer my rights hereby sold, assigned, and transferred, and have not executed, and will not execute, any document or instrument in conflict herewith. I also hereby grant IBM, its successors, legal representatives, and assigns, the right to insert in this Assignment any further identification (including, but not limited to, patent Application Number) which may be necessary or desirable for recordation of this Assignment. This Assignment is governed by the substantive laws of the State of New York, and any disputes will be resolved in a New York state court or federal court sited in New York.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

(1) Legal Name of Inventor: Sukanya Rand	hawa	
Signature: Muyal	Date: 26 04 201	8
(2) Legal Name of Inventor: Ninad Sathaye		
Signature:	Date:	_
(3) Legal Name of Inventor: Ashwin Sriniv	as	
Signature:	Date:	

PATENT

REEL: 045671 FRAME: 0183

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I acknowledge my prior and originity obligations to sell, assign, and transfer my rights under this Assignment to IBM and am unaware of any reason why I may not have the full and unencumbered right to sell, assign, and transfer my rights hereby sold, avagined, and transferred, and have not executed, and will not execute, any document or instrument in conflict herewith. I also hereby grant IBM, its successors, legal representatives, and assigns, the right to insert in this Assignment any turther identification (including, but not limited to, patent Application Number) which may be necessary or desirable for resordation of this Assignment. This Assignment is governed by the substantive laws of the State of New York, and any disputes will be resolved in a New York state court or federal court sited in New York.

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111 Legal Name of Inventor Sukanya Randhawa	
Signature	f kite
(2) Legal Name of Inventor Ninad Sathaye	
Signature Agrico	Date. 25/04/2018
(3) Legal Name of Inventor: Ashwin Srinivas	
Seguine the second design of t	Date

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(1) Legal Name of Inventor: Sukanya Randhawa	
Signature:	Date:
(2) Legal Name of Inventor: Ninad Sathaye	
Signature:	Date:
(3) Legal Name of Inventor: Ashwin Srinivas	
Signature:	Date: 27 - A PRIL - 2121 F

Page 2 of 2