

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5420834

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
NEC LABORATORIES AMERICA, INC.	03/13/2019

RECEIVING PARTY DATA

Name:	NEC CORPORATION
Street Address:	7-1 SHIBA 5-CHOME
Internal Address:	MINATO-KU
City:	TOKYO
State/Country:	JAPAN
Postal Code:	1088001

PROPERTY NUMBERS Total: 18

Property Type	Number
Application Number:	15478714
Application Number:	15709814
Application Number:	15063236
Application Number:	15478753
Application Number:	15479408
Application Number:	15725974
Application Number:	15363876
Application Number:	15296560
Application Number:	15340768
Application Number:	15964790
Application Number:	15833995
Application Number:	15362439
Application Number:	15478886
Application Number:	14683397
Application Number:	15725994
Application Number:	15490499
Application Number:	15427654
Application Number:	15907728

CORRESPONDENCE DATA**Fax Number:** (609)951-2480*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.***Phone:** 6099512522**Email:** jill@nec-labs.com**Correspondent Name:** NEC LABORATORIES AMERICA, INC.**Address Line 1:** 4 INDEPENDENCE WAY**Address Line 2:** SUITE 200**Address Line 4:** PRINCETON, NEW JERSEY 08540

ATTORNEY DOCKET NUMBER:	MARCH TRANSFER
NAME OF SUBMITTER:	JILL BEHR
SIGNATURE:	/Jill Behr/
DATE SIGNED:	03/14/2019

Total Attachments: 2

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PATENT ASSIGNMENT

WHEREAS, NEC Laboratories America, Inc., a New York corporation, having a place of business at 4 Independence Way, Suite 200, Princeton, New Jersey 08540, is an owner and assignee of record of the patent listed below:

WHEREAS, NEC Corporation, a Japanese corporation, having its principal place of business at 7-1, Shiba 5-chome, Minato-ku, Tokyo, Japan 108-8001 is desirous of obtaining a title to the patents listed in Table 1 below:

NOW, THEREFORE, for valuable consideration, receipt of which is hereby acknowledged, NEC Laboratories America, Inc., hereby sells, assigns and transfers to NEC Corporation, its successors and assigns, its entire right, title and interest in each of the following United States patents listed below:

Docket #	Title	Serial #	Filing Date	Inventor(s)
15113A	SYSTEM FAILURE PREDICTION USING LONG SHORT-TERM MEMORY NEURAL NETWORKS	15478714	4/4/2017	XU ET AL.
16053B	ADVANCED DRIVER-ASSISTANCE SYSTEM WITH LANDMARK LOCALIZATION ON OBJECTS IN IMAGES USING CONVOLUTIONAL NEURAL NETWORKS	15709814	9/20/2017	ZIA ET AL.
14099	FAST DISTRIBUTED NONNEGATIVE MATRIX FACTORIZATION AND COMPLETION FOR BIG DATA ANALYTICS	15063236	3/7/2016	MIN ET AL.
15113B	MOBILE PHONE WITH SYSTEM FAILURE PREDICTION USING LONG SHORT-TERM MEMORY NEURAL NETWORKS	15478753	4/4/2017	XU ET AL.
15104A	DEEP 3D ATTENTION LONG SHORT-TERM MEMORY FOR VIDEO-BASED ACTION RECOGNITION	15379408	4/5/2017	MIN ET AL.
16042	GRAPH-BASED ATTACK CHAIN DISCOVERY IN ENTERPRISE SECURITY SYSTEMS	15725974	10/5/2017	TANG ET AL.
15065	RESILIENT BATTERY CHARGING STRATEGIES TO REDUCE BATTERY DEGRADATION AND SELF-DISCHARGING	15363876	11/29/2016	KANI ET AL.
15033	SYSTEM AND METHOD FOR FAULT-TOLERANT PARALLEL LEARNING OVER NON-IID DATA	15296560	10/18/2016	KADAV ET AL.
15037	DESIGN OF RANDOMIZATION FUNCTION AND ITS APPLICATION IN LOAD BALANCING	15340768	11/1/2016	KHOJASTEPOUR ET AL.
17008	PHYSICAL LAYER SECURITY IN OPTICAL COMMUNICATIONS USING BESSEL MODES	15964790	4/27/2018	DIORDJEVIC ET AL.
16060	BATTERY-FREE TOUCH-AWARE USER INPUT USING RFID TAGS	15833995	12/6/2017	CHAI ET AL.
15053	CONSISTENT HASHING	15362439	11/28/2016	KHOJASTEPOUR ET AL.
15085B	VIDEO CAPTURING DEVICE FOR PREDICTING SPECIAL DRIVING SITUATIONS	15478886	4/4/2017	COSATTO ET AL.

13147A	DECENTRALIZED ENERGY MANAGEMENT PLATFORM	14683397	4/10/2015	HOOSHMAND ET AL.
16041	CONSTRUCTING GRAPH MODELS OF EVENT CORRELATION IN ENTERPRISE SECURITY SYSTEMS	15725994	10/5/2017	TANG ET AL.
16004	SYSTEM FAULT DIAGNOSIS VIA EFFICIENT TEMPORAL AND DYNAMIC HISTORICAL FINGERPRINT RETRIEVAL	15490499	4/18/2017	CHENG ET AL.
16005	ENTITY EMBEDDING-BASED ANOMALY DETECTION FOR HETEROGENEOUS CATEGORICAL EVENTS	15427654	2/8/2017	TANG ET AL.
16075	OPTICALLY-SECURED ADAPTIVE SOFTWARE-DEFINED OPTICAL SENSOR NETWORK ARCHITECTURE	15907728	2/28/2018	DJORDJEVIC ET AL.

IN WITNESS WHEREOF, NEC Laboratories America, Inc. has executed this Assignment by a duly authorized person.

NEC Laboratories America, Inc.



Name: Akihito Uchida

Title: President

Date: March 13, 2019