PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
QUOC-HUY TRAN	07/02/2018
MOHAMMED E.F. SALEM	06/29/2018
MUHAMMAD Z. ZIA	06/30/2018
PAUL VERNAZA	06/30/2018
MANMOHAN CHANDRAKER	07/02/2018

RECEIVING PARTY DATA

Name:	NEC LABORATORIES AMERICA, INC.	
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City:	PRINCETON	
State/Country:	NEW JERSEY	
Postal Code:	08540	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16029126

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Tatal Attachments O	
DATE SIGNED:	07/06/2018
SIGNATURE:	/jjb/
NAME OF SUBMITTER:	JAMES J. BITETTO
ATTORNEY DOCKET NUMBER:	17059A

Total Attachments: 2

PATENT REEL: 046283 FRAME: 0440 source=17059A_Assignment#page1.tif source=17059A_Assignment#page2.tif

> PATENT REEL: 046283 FRAME: 0441

ASSIGNMENT

Whereas, we,

(1) Quoc-Huy Tran, of 2425 Karen Drive, Santa Clara, CA 95050;

(2) Mohammed E. Fathy Salem, of 60 Descanso Dr #2202, San Jose, CA 95134;

(3) Muhammad Zeeshan Zia, of 4775 Atherton Avenue, San Jose, CA 95130;

(4) Paul Vernaza, of 917 Tamarack Lane, Sunnyvale, CA 94086; and

(5) Manmohan Chandraker, of 444 Saratoga Avenue, Santa Clara, CA 95050

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

DENSE CORRESPONDENCE ESTIMATION WITH MULTI-LEVEL METRIC LEARNING AND HIERARCHICAL MATCHING

Whereas.

NEC Laboratories America, Inc.

4 Independence Way, Suite 200

Princeton, New Jersey 08540

(hereinafter called "Assignce"), 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:

DATED on 07/02/2018

(Quoc-Huy

Middle Initial First Name

Tran)

Last Name

4

INVENTOR 2:

DATED on 6/20/2018

(Mohammed First Name

Mohammed E. Fethy E.F. Salem) Middle Initial

Attorney Docket: 17059A

INVENTOR 3:

DATED ON <u>6/30/2</u>018

(Muhammad

A. Middle Initial

Zia) Last Name

INVENTOR 4:

DATED on 6/30/2019

(Paul First Name

Middle Initial

Vernaza) Last Name

INVENTOR 5:

DATED on 07/02/2018

(Manmohan First Name

Middle Initial

Chandraker) Last Namé

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