502590747 12/04/2013

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2636940

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
HOCK BENG LIM	10/31/2013
MUDASSER IQBAL	10/31/2013
DAIQIN YANG	10/31/2013
TALHA OBAID	10/31/2013
TENG JIE NG	11/26/2013

RECEIVING PARTY DATA

Name:	NANYANG TECHNOLOGICAL UNIVERSITY
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City:	SINGAPORE
State/Country:	SINGAPORE
Postal Code:	639798

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Street Address:	249 JALAN BOON LAY
City:	SINGAPORE
State/Country:	SINGAPORE
Postal Code:	619523

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14006545

CORRESPONDENCE DATA

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Correspondent Name: ROBERT IANNUCCI

PATENT REEL: 031716 FRAME: 0677 P \$40.00 14006545

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Address Line 1: 701 FIFTH AVENUE **SUITE 5400** Address Line 2: Address Line 4: SEATTLE, WASHINGTON 98104 ATTORNEY DOCKET NUMBER: 690148.442USPC NAME OF SUBMITTER: ROBERT IANNUCCI Signature: /Robert lannucci/ Date: 12/04/2013 Total Attachments: 6 source=442USPCAssignment#page1.tif source=442USPCAssignment#page2.tif source=442USPCAssignment#page3.tif source=442USPCAssignment#page4.tif source=442USPCAssignment#page5.tif source=442USPCAssignment#page6.tif

> PATENT REEL: 031716 FRAME: 0678

ASSIGNMENT

WHEREAS, we, Hock Beng Lim, Mudasser Iqbal, Daiqin Yang, Talha Obaid and Teng Jie Ng (hereinafter referred to as ASSIGNORS), all having a mailing address of Nanyang Technological University, c/o NIEO, Blk 1, Unit 213, Innovation Centre, 16 Nanyang Dr. Singapore, Singapore 637722, are the joint inventors of an invention entitled "SENSOR DEVICE," as described and claimed in the specification for which an application for United States letters patent was filed and assigned Application No. 14/006,545; which application is a national stage application filed under 35 U.S.C. 371 of International Application No. PCT/SG2012/000092, accorded an International Filing Date of March 21, 2012;

WHEREAS, Nanyang Technological University and Singapore Technologies Dynamics Pte Ltd (hereinafter referred to as ASSIGNEES), having usual places of business at 50 Nanyang Avenue, Singapore, Singapore 639798, and 249 Jalan Boon Lay, Singapore, Singapore 619523, respectfully, are desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefor in the United States;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEES, the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions including any extensions or adjustments in term thereof and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEES and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, and including the right to sue and collect damages for past and present infringement of said letters patent; said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEES and their successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer and sale not been made. ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEES. ASSIGNORS agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said invention, for litigation regarding said letters patent, or for the purpose of protecting title to said invention or letters patent therefor.

> PATENT REEL: 031716 FRAME: 0679

31 October 2013	Homes
Date	Hock Beng Lim
	we satisfactory evidence that Hock Beng Lim signed this voluntary act for the uses and purposes mentioned in the
Date 31 OCT 293	Signed at NTU, SINGAPORE
(Type or Print)	Signed at NTU, SINGAPORE
(Type or Print Name of Witness)	(Signature of Witness)
Date	Mudasser Iqbal
•	we satisfactory evidence that Mudasser Iqbal signed this voluntary act for the uses and purposes mentioned in the
Date(Type or Print)	Signed at
(Type or Print Name of Witness)	(Signature of Witness)

Date	Hock Beng Lim
· · · · · · · · · · · · · · · · · · ·	ave satisfactory evidence that Hock Beng Lim signed this voluntary act for the uses and purposes mentioned in the
Date	Signed at
Date(Type or Print)	
(Type or Print Name of Witness)	(Signature of Witness)
31-10-2013	
31-10-2013 Date	Mudasser Iqbat
•	ave satisfactory evidence that Mudasser Iqbal signed this voluntary act for the uses and purposes mentioned in the
Date <u>B1-10 ~ 2013</u> (Type or Print) Austin Pio	Signed at NUS, SINGAPORE
(Type or Print Name of Witness)	(Signature of Witness)

2013/1=/31	Youghey-
Date	Daigin Yang /
	ave satisfactory evidence that Daiqin Yang signed this coluntary act for the uses and purposes mentioned in the
Date 2013 /10 3 (Type or Print) CHEN 2HEN 2HONG	Signed at Oct 31, 2013
(Type or Print Name of Witness)	(Signature of Witness)
Date	Talha Obaid
	ave satisfactory evidence that Talha Obaid signed this roluntary act for the uses and purposes mentioned in the
Date(Type or Print)	Signed at
(Type or Print Name of Witness)	(Signature of Witness)

Date	Daiqin Yang
I certify that I know or l	have satisfactory evidence that Daiqin Yang signed this
instrument of his/her own free will, as a	voluntary act for the uses and purposes mentioned in the
instrument.	
Date	Signed at
(Type or Print)	
(Type or Print Name of Witness)	(Signature of Witness)
	ł
31-10-2013	Toffen.
Date	Talha Obaid
_	have satisfactory evidence that Talha Obaid signed this
instrument of his/her own free will, as a	voluntary act for the uses and purposes mentioned in the
instrument.	
Date 31 - 10 - 2013 (Type or Print)	Signed at Nus, SINGAPORE
(Type or Print)	- MA
AUSTIN PIO	7.17
(Type or Print Name of Witness)	(Signature of Witness)

261113	<u> </u>
Date	Teng Jie Ng
I certify that I know or	have satisfactory evidence that Teng Jie Ng signed this
instrument of his/her own free will, as	a voluntary act for the uses and purposes mentioned in
the instrument.	
Date 2.61113	Signed at SING APORE
(Type or Print)	
NG HER SENG	which
(Type or Print Name of Witness)	(Signature of Witness)

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PATENT REEL: 031716 FRAME: 0684