504034536 10/04/2016

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
WAN SIA PAUL HENG	05/19/2014
PARIND MAHENDRAKUMAR DESAI	05/19/2014
CELINE VALERIA LIEW	05/19/2014

RECEIVING PARTY DATA

Name:	NATIONAL UNIVERSITY OF SINGAPORE	
Street Address:	21 LOWER KENT RIDGE ROAD	
City:	SINGAPORE	
State/Country:	SINGAPORE	
Postal Code:	119077	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14249854

CORRESPONDENCE DATA

Fax Number: (978)341-0136

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.

978-341-0036 Phone:

Email: kellie.varno@hbsr.com **Correspondent Name:** ALICE O. CARROLL, ESQ.

Address Line 1: 530 VIRGINIA ROAD, P.O. BOX 9133

Address Line 2: HAMILTON, BROOK, SMITH & REYNOLDS, P.C. Address Line 4: CONCORD, MASSACHUSETTS 01742-9133

ATTORNEY DOCKET NUMBER: 4459.1098-000 NAME OF SUBMITTER: KELLIE J. VARNO SIGNATURE: /Kellie J. Varno/ **DATE SIGNED:** 10/04/2016

Total Attachments: 2

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> **PATENT REEL: 039930 FRAME: 0458** 504034536

ASSIGNMENT

THIS ASSIGNMENT is made this 19th of May 2014 between:

Wan Sia Paul HENG, a citizen of Singapore c/o National University of Singapore of 21 Lower Kent Ridge Road, Singapore 119077;

Parind Mahendrakumar DESAI, a citizen of India c/o National University of Singapore of 21 Lower Kent Ridge Road, Singapore 119077;

Celine Valeria LIEW, a citizen of Malaysia c/o National University of Singapore of 21 Lower Kent Ridge Road, Singapore 119077;

("the Assignors") of the one part; and

NATIONAL UNIVERSITY OF SINGAPORE of 21 Lower Kent Ridge Road, Singapore 119077.

("the Assignee") of the other part.

WHEREAS

- A. The Assignors jointly developed an invention relating to "Apparatus and Method For Visiometric Disintegration" ("the Invention"), which has been filed as U.S. Provisional Application No. 61/810,837 on 11 April 2013, and U.S. Application No. 14/249,854 on 10 April 2014 claiming priority to U.S. Provisional Application No. 61/810,837 on 11 April 2013 ("Patent Applications").
- B. The Assignors have previously agreed to assign and transfer to the Assignee all their rights, title and interests in the Invention and Patent Applications in all countries in the world ("the Territory") and that the Assignee should be substituted as the applicant in its place. They wish to formalise and confirm the assignment in this agreement ("Assignment").

NOW THIS ASSIGNMENT WITNESSETH AS FOLLOWS:

- In consideration of the sum of One Singapore dollar (S\$1) now paid by the Assignee to the Assignors, receipt of which the Assignors hereby acknowledge, the Assignors assign to the Assignee, free from all encumbrances, all right, title and interest in respect of the Invention and the Patent Applications, all divisions, continuations or reissues filed thereon, all patents granted thereon, and TOGETHER WITH their right to apply for and obtain patents or other similar forms of protection in respect of the Invention or any part or parts of the Invention in the Territory and the right to claim priority of the Patent Applications when making applications in the Territory TOGETHER WITH the right to bring proceedings for infringement in the Territory for any previous infringement TO HOLD the same unto the Assignee and its successors and assign absolutely.
- 2. The Assignors hereby covenant with the Assignee that the Assignors have the full right to convey the entire interest here assigned, have not done or knowingly suffered or been party or privy to any act or thing whereby the Assignors are prevented from assigning the Invention and the Patent Applications, and have not and will not execute any agreement in conflict herewith. The Assignors undertake they will not publish or disclose any particulars of the Invention and the Patent Applications to any person without the prior written consent of the Assignee.
- At the request and cost of the Assignee, the Assignors shall execute all such documents and do all such acts as may be necessary to enable the Assignee or its

PATENT REEL: 039930 FRAME: 0459

ILO Ref: 13206N-US US Assignment Page 2 of 2

successors, assigns, or other legal representatives to enjoy the full benefit of the rights confirmed and assigned by this Assignment including applying for and obtaining a patent or patents or other similar forms of protection in respect of the Invention in the Territory, vesting their right in the same in the Assignee when obtained, and testifying as to facts relating to the application and patents granted thereon in any litigation when requested to do so without further compensation, but at the expense of Assignee, its successors or other legal representatives.

4. This Assignment may be entered into in any number of counterparts, all of which taken together shall constitute one and the same instrument. Any party hereto may enter into this Assignment by signing any such counterpart.

IN WITNESS whereof the Assignors and Assignee have hereunto executed this Assignment the date and year first above written.

Assignors	
Mydale	Ool Shing Ming Can
Wan Sia Paul HENG	Witness Name and signature
Desai P. M.	Doi Shing Ming Co.
Parind Mahendrakumar DESAI	Witness Name and signature
Coline times	Ooi Shing Ming
Celine Valeria LIEW	Witness Name and signature

Assignee
Signed for and on behalf of
NATIONAL UNIVERSITY OF SINGAPORE

in the presence of

Irene Cheong Director Industry Liaison Office National University of Singapore

PATENT

REEL: 039930 FRAME: 0460

RECORDED: 10/04/2016