

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
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EPAS ID: PAT2849603

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
PRAVEEN GAURAVARAM	04/04/2014
RECEIVING PARTY DATA	
Name:	TATA CONSULTANCY SERVICES LIMITED
Street Address:	NIRMAL BUILDING, 9TH FLOOR, NARIMAN POINT
City:	MUMBAI, MAHARASHTRA
State/Country:	INDIA
Postal Code:	400021
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14085249
CORRESPONDENCE DATA	
Fax Number:	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>	
Email:	request@slwip.com
Correspondent Name:	SCHWEGMAN, LUNDBERG & WOESSNER, P.A.
Address Line 1:	P.O. BOX 2938
Address Line 4:	MINNEAPOLIS, MINNESOTA 55402
ATTORNEY DOCKET NUMBER:	2959.070US1
NAME OF SUBMITTER:	KASIE GROVER
SIGNATURE:	/Kasie Grover/
DATE SIGNED:	05/09/2014
Total Attachments: 4	
source=2959070US1AssignmentRecordation#page1.tif	
source=2959070US1AssignmentRecordation#page2.tif	
source=2959070US1AssignmentRecordation#page3.tif	
source=2959070US1AssignmentRecordation#page4.tif	

RECORDATION FORM COVER SHEET
PATENTS ONLY

Atty Ref/Docket No.: 2959.070US1

Patent and Trademark Office

To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Praveen Gauravaram

Additional name(s) of conveying party(ies) attached?

Yes No

3. Nature of conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other

Execution Date: April 4, 2014

2. Name and address of receiving party(ies):

Name: Tata Consultancy Services Limited

Street Address: Nirmal Building, 9th Floor, Nariman Point

City: Mumbai, Maharashtra, 400021

Country: India

Additional name(s) & address(es) attached? Yes No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

Serial No. 14/085,249

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: James D. Hallenbeck

Address:

Schwegman, Lundberg & Woessner, P.A.
P.O. Box 2938
Minneapolis, MN 55402--0938

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$ 0.00

Enclosed

Authorized to be charged to deposit account 19-0743

8. Please charge any additional fees or credit any over payments to our Deposit Account No.: 19-0743

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

James D. Hallenbeck/Reg. No. 63,561

Name of Person Signing



Signature

5/9/2014

Date

Total number of pages including cover sheet: 3

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks
Mail Stop Assignment Recordation Services
P.O. Box 1450
Alexandria, VA 22313-1450

PATENT
REEL: 032862 FRAME: 0022

ASSIGNMENT

WHEREAS, Praveen Gauravaram (hereinafter the "Undersigned") has made one or more inventions and other subject matter (hereinafter collectively referred to as the "Invention") which are described in a patent application filed on November 20, 2013, which application was assigned US patent application serial number 14/085,249, and which is titled GENERATION OF RANDOMIZED MESSAGES FOR CRYPTOGRAPHIC HASH FUNCTIONS; which are described in a patent application filed on March 25, 2013, which application was assigned IN application serial number 1164/MUM/2013, and which is titled GENERATION OF RANDOMIZED MESSAGES FOR CRYPTOGRAPHIC HASH FUNCTIONS.

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency, and adequacy of which are hereby acknowledged by the Undersigned, the Undersigned do hereby irrevocably and unconditionally:

CONVEY, ASSIGN, AND TRANSFER to Tata Consultancy Services Limited (the "Assignee"), having a place of business at Nirmal Building, 9th Floor, Nariman Point, Mumbai, Maharashtra 400021, India, the Undersigned's entire right, title, and interest for the United States and all foreign countries and jurisdictions in and to:

the invention which is disclosed in the above-identified application or applications;

such application or applications, and all divisional, continuing (including continuation-in-part), substitute, renewal, reissue, and all other applications for a patent or patents which have been or shall be filed in the United States (including all provisional and non-provisional applications), and in all foreign countries and jurisdictions based in whole or in part on any of such Invention (including any application for a utility model or an innovation patent application);

all original and reissued patents which have been or shall be issued in the United States and all foreign countries and jurisdictions based in whole or in part on any of such Invention;

including the right to claim priority to the above-identified patent application or applications in relation to subject matter based in whole or in part on the above-identified patent application or applications and any of the foregoing including the right to file foreign applications under the provisions of any convention or treaty;

and including the right to all causes of action, remedies, and other enforcement rights related to the above-identified application or applications, including without limitation the right to sue for past, present, or future infringement, misappropriation, or violation of any and all rights related to the above-identified patent application or applications and any of the foregoing, including the right to obtain and collect damages for past, present, or future infringement;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such Invention to the Assignee;

AUTHORIZE AND REQUEST that any attorney associated with U.S. Patent and Trademark Office (USPTO) Customer No. 21186 may (directly or through his/her designee) delete, insert, or alter any

information related to the above-identified patent application or applications or any of the foregoing, after execution of this Assignment;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or shall be made to others by the Undersigned, and that the full right to convey the same as herein expressed is possessed by the Undersigned;

COVENANT, that when requested and without compensation, but at the expense of the Assignee, in order to carry out in good faith the intent and purpose of this Assignment, the Undersigned shall (1) execute all provisional, non-provisional, divisional, continuing (including continuation-in-part), substitute, renewal, reissue, and all other patent applications for the Invention; (2) execute all rightful oaths, declarations, assignments, powers of attorney and other papers for the Invention; (3) communicate to the Assignee all facts known to the Undersigned relating to the Invention and the history thereof; (4) cooperate with the Assignee in any interference, reexamination, reissue, opposition, dispute, or litigation involving any of the applications or patents for the Invention; and (5) take such further actions as the Assignee shall reasonably consider necessary or desirable for vesting title to such invention in the Assignee, or for securing, maintaining and enforcing proper patent protection for the Invention;

COVENANT, that should any provision of this agreement be held unenforceable by an authority of competent jurisdiction, such a ruling shall not affect the validity and enforceability of the remaining provisions. To the extent that any such provision is found to be unenforceable, the Undersigned, when requested and without compensation shall act in good faith to substitute for such provision a new provision with content and purpose as close as possible to the provision deemed unenforceable.

THIS AGREEMENT IS TO BE BINDING on the heirs, assigns, representatives, and successors of the Undersigned, and is to extend to the benefit of the successors, assigns, and nominees of the Assignee.

AGREED as of the date of my signature below:

Assignment

Assignors: Praveen Gauravaram

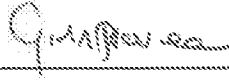
Title: GENERATION OF RANDOMIZED MESSAGES FOR CRYPTOGRAPHIC HASH FUNCTIONS

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Docket No: 2959.070US1
Client Ref. No. PDC08204US-CON

Assignor: PRAVEEN GAURAVARAM

(Signature):



Name: Praveen Gauravaram

City/State: Hyderabad, Andhra Pradesh, India

Date:

04 APRIL 2014