

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Natarajan Vijayarangan</td> <td>07/27/2012</td> </tr> <tr> <td>Rao Chalamala Srinivasa</td> <td>07/27/2012</td> </tr> </tbody> </table>		Name	Execution Date	Natarajan Vijayarangan	07/27/2012	Rao Chalamala Srinivasa	07/27/2012						
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RECEIVING PARTY DATA													
<table border="1"> <tr> <td>Name:</td> <td>Tata Consultancy Services Ltd.</td> </tr> <tr> <td>Street Address:</td> <td>Nirmal Building, Nariman Point</td> </tr> <tr> <td>Internal Address:</td> <td>9th Floor</td> </tr> <tr> <td>City:</td> <td>Mumbai, Maharashtra</td> </tr> <tr> <td>State/Country:</td> <td>INDIA</td> </tr> <tr> <td>Postal Code:</td> <td>400 021</td> </tr> </table>		Name:	Tata Consultancy Services Ltd.	Street Address:	Nirmal Building, Nariman Point	Internal Address:	9th Floor	City:	Mumbai, Maharashtra	State/Country:	INDIA	Postal Code:	400 021
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CORRESPONDENCE DATA													
<p>Fax Number: 9783189060          Phone: 978-318-9914          Email: rplotkin@rplotkin.com  <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: Robert Plotkin          Address Line 1: 15 New England Executive Park          Address Line 4: Burlington, MASSACHUSETTS 01803</p>													
ATTORNEY DOCKET NUMBER:	R0005-1023US												
NAME OF SUBMITTER:	Robert Plotkin, Esq.												
<p>Total Attachments: 2          source=Assignment R0005-1023US#page1.tif          source=Assignment R0005-1023US#page2.tif</p>													

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P. 10

ASSIGNMENT

WHEREAS, NATARAJAN VIJAYARANGAN, an Indian National of ADVANCED TECHNOLOGY CENTRE (ATC), DECCAN PARK, MADHAPUR, HYDERABAD 500 081, ANDHRA PRADESH, INDIA AND RAO CHALAMALA SRINIVASA, an Indian National of ADVANCED TECHNOLOGY CENTRE (ATC), DECCAN PARK, MADHAPUR, HYDERABAD 500 081, ANDHRA PRADESH, INDIA, are the owners of United States Patent Application, Serial No.12/319,886 titled as "Deterministic Random Number Generator for Cryptography and Digital Watermarking" filed on January 12, 2009.

WHEREAS, TATA CONSULTANCY SERVICES LTD., an Indian Company, having its registered office at NIRMAL BUILDING, 9<sup>th</sup> FLOOR, NARIMAN POINT, MUMBAI 400 021, MAHARASHTRA, INDIA is desirous of acquiring the entire right, title and interest in and to said invention and said Patent Application;

NOW, THEREFORE, to all whom it may concern, be it known that the said NATARAJAN VIJAYARANGAN AND RAO CHALAMALA SRINIVASA for good and valuable consideration, do hereby sell, assign, transfer and set over unto the said TATA CONSULTANCY SERVICES LTD., its successors and assigns, the entire right, title and interest in and to said invention, and said US Patent Application Serial No. 12/319,886 together with any division or divisions, extension or extensions, reissue or reissues thereof; together with all rights to apply for and receive United States of America Letters Patent;

N.V.  
CSR

AND, We hereby authorize and request the Commissioner of Patents to issue any and all Letters Patent which may issue upon said invention to said **TATA CONSULTANCY SERVICES LTD.** as assignee of the entire right, title and interest in and to said invention, and said Patent Application.

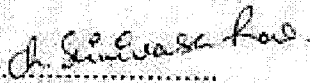
IN WITNESS WHEREOF, we have hereunto set our hands as of the following date.

**Mr. NATARAJAN VIJAYARANGAN** .....ASSIGNOR

By  .....

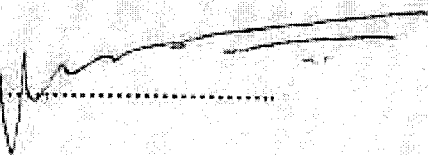
Date 27.7.12

**Mr. RAO CHALAMALA SRINIVASA** .....ASSIGNOR

By  .....

Date 27.7.12

**TATA CONSULTANCY SERVICES LTD** ..... ASSIGNEE

By  .....

Date 27.7.12