

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT2978559

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
HEMANT KUMAR RATH	06/24/2014
K N R SURYA VARA PRASAD	06/24/2014
VISHVESH REVOORI	06/24/2014
ANANTHA SIMHA	06/24/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	TATA CONSULTANCY SERVICES LIMITED
<b>Street Address:</b>	NIRMAL BUILDING, 9TH FLOOR
<b>Internal Address:</b>	NARIMAN POINT
<b>City:</b>	MUMBAI, MAHARASHTRA
<b>State/Country:</b>	INDIA
<b>Postal Code:</b>	400021
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14204923
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(206)682-6031
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<b>ATTORNEY DOCKET NUMBER:</b>	890081.420
<b>NAME OF SUBMITTER:</b>	FRANK ABRAMONTE
<b>SIGNATURE:</b>	/Frank Abramonte/
<b>DATE SIGNED:</b>	08/12/2014
<b>Total Attachments: 5</b>	
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**PATENT**

**REEL: 033518 FRAME: 0276**

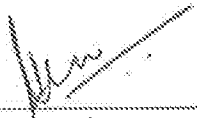
## ASSIGNMENT

WHEREAS, we, Hemant Kumar Rath, K N R Surya Vara Prasad, Vishvesh Revoori, and Anantha Simha (hereinafter referred to as ASSIGNORS), all having a mailing addresses of Tata Consultancy Services Limited, Abhilash Bldg., Plot No. 96 EP-IP Industrial Area, Whitefield Road, Bangalore, India 560066, are the joint inventors of an invention entitled "NETWORK RESOURCE OPTIMIZATION IN COMMUNICATION NETWORKS," as described and claimed in the specification for which an application for United States letters patent was filed on March 11, 2014, and assigned Application No. 14/204,923;

WHEREAS, Tata Consultancy Services Limited (hereinafter referred to as ASSIGNEE), a corporation of India having a place of business at Nirmal Building, 9th Floor, Nariman Point, Mumbai, Maharashtra-400021, India, is 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 and in any and all foreign countries;

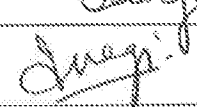
NOW, THEREFORE, in exchange for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE, the entire right, title and interest in and to said invention, said application and any and all letters patent 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 ASSIGNEE 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 ASSIGNEE and its 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 ASSIGNEE. 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.

24/June/2014  
Date

  
Hemant Kumar Rath

I certify that I know or have satisfactory evidence that Hemant Kumar Rath signed this instrument of his/her own free will, as a voluntary act for the uses and purposes mentioned in the instrument.

Date Ms. Iti Negi  
(Type or Print)  
24<sup>th</sup> June, 2014  
(Type or Print Name of Witness)

Signed at Bangalore  
  
(Signature of Witness)

24 June, 2014  
Date

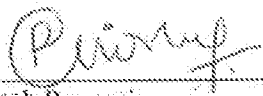
V. P. Prasad  
K N R Surya Vara Prasad

I certify that I know or have satisfactory evidence that K N R Surya Vara Prasad signed this instrument of his/her own free will, as a voluntary act for the uses and purposes mentioned in the instrument.

Date 24 June, 2014  
(Type or Print)  
Ms. Iti Megi  
(Type or Print Name of Witness)


Signed at Bangalore  
[Signature]  
(Signature of Witness)

24/06/2014  
Date

  
Vishvesh Revoori

I certify that I know or have satisfactory evidence that Vishvesh Revoori signed this instrument of his/her own free will, as a voluntary act for the uses and purposes mentioned in the instrument.

Date 24 June 2014  
(Type or Print)  
Mr. H. N. N. N.  
(Type or Print Name of Witness)

Signed at Bangalore  
  
(Signature of Witness)

Date 24/6/2014 \_\_\_\_\_  
Anantha Simha

I certify that I know or have satisfactory evidence that Anantha Simha signed this instrument of his/her own free will, as a voluntary act for the uses and purposes mentioned in the instrument.

Date 24/06/2014 \_\_\_\_\_  
(Type or Print)  
NARAYANAN R  
(Type or Print Name of Witness)

Signed at Bangalore \_\_\_\_\_  
Shayam  
(Signature of Witness)