

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3206083

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
AVIK GHOSE	01/13/2015
ARPAN PAL	01/13/2015
ANIRBAN DUTTA CHOUDHURY	01/13/2015
CHIRABRATA BHAUMIK	01/13/2015
TANUSHYAM CHATTOPADHYAY	01/13/2015
VIVEK CHANDEL	01/14/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	TATA CONSULTANCY SERVICES LTD.
<b>Street Address:</b>	NIRMAL BUILDING, NARIMAN POINT
<b>Internal Address:</b>	9TH FLOOR
<b>City:</b>	MUMBAI
<b>State/Country:</b>	INDIA
<b>Postal Code:</b>	400 021
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14450890
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(978)318-9060
<i>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.</i>	
<b>Phone:</b>	978-318-9914
<b>Email:</b>	kdelgreco@rplotkin.com
<b>Correspondent Name:</b>	ROBERT PLOTKIN
<b>Address Line 1:</b>	15 NEW ENGLAND EXECUTIVE PARK
<b>Address Line 4:</b>	BURLINGTON, MASSACHUSETTS 01803
<b>ATTORNEY DOCKET NUMBER:</b>	R0005-1043US
<b>NAME OF SUBMITTER:</b>	ROBERT PLOTKIN
<b>SIGNATURE:</b>	/Robert Plotkin/
<b>DATE SIGNED:</b>	01/30/2015

**Total Attachments: 8**

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# Assignment of Patent Application

## 1. Patent Application

Title: An Indoor Positioning System

Attorney Docket Number: R0005-1043US

Application Number: 14/450,890

Filing Date: Aug 4, 2014

## 2. Assignee

Name: Tata Consultancy Services Ltd.

Address: Nirmal Building, 9th Floor  
Nariman Point

City: Mumbai

State/Province: Maharashtra

Postal Code: 400 021

Country: India

## 3. Assignment

I/we, the undersigned Assignor(s), have agreed and hereby agree to assign to the Assignee, in exchange for good and valuable consideration and in furtherance of my/our obligations to the Assignee and its subsidiaries and affiliates, and do hereby assign and transfer to the Assignee, its successors and assigns, the entire right, title and interest, including the right of priority, in, to and under:

- the Patent Application;
- any patent application that claims domestic and/or foreign priority rights from the Patent Application, either directly or indirectly, such as but not limited to continuations, continuations-in-Part (CIPs), and divisionals of the Patent Application, and utility patent applications claiming the benefit of the Patent Application or converted from the Patent Application in the event that the Patent Application is a provisional patent application;

- any other patent application that describes and/or claims subject matter described and/or claimed in the Patent Application, whether or not the other patent application claims priority rights from the Patent Application;
- any Letters Patent, in any country, that is issued from any of the patent applications specified above, and any reissues, reexaminations, or extensions of such Letters Patent; and
- any invention described and/or claimed in any patent application and/or Letters Patent specified above, and any improvement thereto.

I/we additionally authorize the Assignee to file applications in my/our name for Letters Patent in any country, to be held and enjoyed by the Assignee, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by me/us had this Assignment, and transfer not been made.

I/we hereby covenant that I/we have full right to convey the entire interest herein assigned, and that I/we have not executed and will not execute any agreement in conflict herewith, and I/we further covenant and agree that I/we will, each time a request is made, and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said invention(s) or improvement(s), said application and said Letters Patent, to the Assignee, its successors, assigns, nominees or legal representatives, and I/we agree to communicate to the Assignee, or to its nominee, all known facts respecting said invention(s) or improvement(s), said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisionals, continuations, CIPs, reissue and foreign applications, to make all rightful oaths and declarations, and generally to do everything possible to aid the Assignee, its successors, assigns, nominees and legal representatives to obtain and enforce, for its or their own benefit, proper patent protection for said invention(s) or improvement(s) in any and all countries provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by the Assignee.

I/we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country of countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to issue to the Assignee, as assignee of the entire right, title and interest, any and all Letters Patent for said invention(s) or improvement(s), including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this Assignment.

I/we further authorize and direct the attorney(s) of record to insert into this Assignment the serial number and filing date of the Patent Application as soon as the same shall have been made known by the United States Patent and Trademark Office.

4. Signature(s) of Assignor(s)

a. Assignor 1

Given Name (First and Middle):

Avik

Family (Last) Name:

Ghose

Avik Ghose  
Signature

13/1/2015  
Date

b. Assignor 2

Given Name (First and Middle):

Arpan

Family (Last) Name:

Pal

Arpan  
Signature

13/1/15  
Date

c. Assignor 3

Given Name (First and Middle):

Anirban

Family (Last) Name:

Dutta Choudhury

Anirban Dutta Choudhury  
Signature

13-JAN-2015  
Date

d. Assignor 4

Given Name (First and Middle):

Vivek

Family (Last) Name:

Chandel

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

e. Assignor 5

Given Name (First and Middle):

Chirabrata

Family (Last) Name:

Bhaumik

Chirabrata Bhaumik

Signature

13/01/2015

Date

f. Assignor 6

Given Name (First and Middle):

Tanushyam

Family (Last) Name:

Chattopadhyay

Tanushyam Chattopadhyay

Signature

13/01/2015

Date

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- the Patent Application;
- any patent application that claims domestic and/or foreign priority rights from the Patent Application, either directly or indirectly, such as but not limited to continuations, continuations-in-Part (CIPs), and divisionals of the Patent Application, and utility patent applications claiming the benefit of the Patent Application or converted from the Patent Application in the event that the Patent Application is a provisional patent application;

- any other patent application that describes and/or claims subject matter described and/or claimed in the Patent Application, whether or not the other patent application claims priority rights from the Patent Application;
- any Letters Patent, in any country, that is issued from any of the patent applications specified above, and any reissues, reexaminations, or extensions of such Letters Patent; and
- any invention described and/or claimed in any patent application and/or Letters Patent specified above, and any improvement thereto.

I/we additionally authorize the Assignee to file applications in my/our name for Letters Patent in any country, to be held and enjoyed by the Assignee, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by me/us had this Assignment, and transfer not been made.

I/we hereby covenant that I/we have full right to convey the entire interest herein assigned, and that I/we have not executed and will not execute any agreement in conflict herewith, and I/we further covenant and agree that I/we will, each time a request is made, and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said invention(s) or improvement(s), said application and said Letters Patent, to the Assignee, its successors, assigns, nominees or legal representatives, and I/we agree to communicate to the Assignee, or to its nominee, all known facts respecting said invention(s) or improvement(s), said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisionals, continuations, CIPs, reissue and foreign applications, to make all rightful oaths and declarations, and generally to do everything possible to aid the Assignee, its successors, assigns, nominees and legal representatives to obtain and enforce, for its or their own benefit, proper patent protection for said invention(s) or improvement(s) in any and all countries provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by the Assignee.

I/we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country of countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to issue to the Assignee, as assignee of the entire right, title and interest, any and all Letters Patent for said invention(s) or improvement(s), including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this Assignment.

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d. Assignor 4

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Vivek Chandel  
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14/1/15  
Date

e. Assignor 5

Given Name (First and Middle):

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Family (Last) Name:

Bhaumik

Signature

Date

f. Assignor 6

Given Name (First and Middle):

Tanushyam

Family (Last) Name:

Chattopadhyay

Signature

Date